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MEDICO-ACTUARIAL MORTALITY INVESTIGATION

VOLUME I

INTRODUCTION

STATISTICS OF HEIGHT AND WEIGHT OF INSURED PERSONS

RATES OF MORTALITY TO BE USED AS A STANDARD OF EXPECTED DEATHS

INSTRUCTIONS TO COMPANIES FOR PREPARING DATA AND GENERAL INFORMATION

Compiled and Published by

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and

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MEDICO-ACTUARIAL MORTALITY INVESTIGATION

By The Association of Life Insurance Medical Directors and The Actuarial Society of America

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REPORT OF THE JOINT COMMITTEE ON THE MEDICO-ACTUARIAL MORTALITY INVESTIGATION

INTRODUCTION

In 1907 The Association of Life Insurance Medical Directors, following a discussion upon Medical Selection, appointed a Committee to formulate plans for a thorough study of various types of supposed medical impairments, making use of the Specialized Mortality Investigation as a basis and to some extent as a model. This Committee submitted a preliminary report to the Association at its meeting in 1909 and was still at work upon the subject when, early in that year, The Actuarial Society of America appointed a Committee to extend the work of the Specialized Investigation. The latter Committee, learning of the proposed Investigation by the Medical Directors' Association, immediately approached the Committee of that body and suggested a joint investigation, since it was realized that a great deal more could be accomplished by united effort than by each Society separately. Accordingly the two Committees went before their respective Societies with a plan of a co-operative or joint investigation, and in October, 1909, received full authority to proceed with the work as representing both the Medical Directors' Association and the Actuarial Society.

PLAN AND SCOPE

As soon as possible after organizing, the Joint Committee determined upon the plan and scope of the investigation, being governed by the following considerations:

- 1. That only those companies should be invited to participate which were represented in both The Actuarial Society of America and The Association of Life Insurance Medical Directors.
- 2. That the investigation should include only those classes of risks in which the experience was likely to be of practical insurance value, while classes of purely academic interest should be excluded.
- 3. That the method of procedure should be such that each company might be able in future to employ it in such investigations of its own as it might choose to make, and that all necessity of again referring to the applications and medical reports in any subsequent investigation should be eliminated.
- 4. That the investigation should extend back only so far as to include cases accepted under modern conditions of medical selection and life environment.
- 5. That it should be confined to policies issued in the United States and Canada.

A call was issued to the Actuaries and Medical Directors of all companies represented for lists of classes and subjects which they desired to have considered. The responses included, among other suggestions, 600 occupations and 250 medical impairments. These were grouped by the Committee according as they were:

- (a) suggested by many companies,
- (b) suggested by a few companies,
- (c) suggested by only one company.

Every suggestion was carefully considered, but many valuable ideas were abandoned, some because the companies' records did not supply the necessary information, others because they appealed to only one or two companies or because existing statistics were insufficient. The Committee had to keep constantly in mind in this process of elimination the necessity of obtaining the co-operation of all the prominent companies, which could not be secured if too great an amount of work were entailed in preparing the data. As a result of a study of these suggestions, the Committee prepared a list of the classes which it deemed advisable to investigate, calling these "Required" Classes, and another list of classes for which there was not a strong demand or for which the Committee did not think sufficient data existed at the present time, though such data might be accumulated at some time in the future, these latter being called "Optional" Classes. While the Committee asked the companies to furnish only the "Required" Classes, it was hoped that a sufficient number would supply the "Optional" Classes, so that an investigation of these classes might be possible at this time; or if this were impossible, that the record of these "Optional" Classes would be available for an investigation a few years hence.

The following is a summary of the "Required" Classes in the investigation:

- (a) 68 groups of occupations involving hazard.
- (b) 76 groups of medical impairments.
- (c) 4 groups of women.
- (d) 2 groups of Negro risks.
- (e) 4 groups of Joint Life policies.
- (f) Sufficient data for a table of average heights and weights.
- (g) The same material as in (f), to be used in determining whether the mortality table employed as a standard in the Specialized Investigation is suitable for the present investigation.
- (h) Material sufficient for an investigation of the influence of build on longevity, with special reference to overweight and underweight.

The "Optional" Classes were as follows:

- 100 groups of occupations involving hazard.
- 23 groups of medical impairments.
- 3 groups by race—Indians, Chinese and Japanese in the United States and Canada.
- 15 groups involving habitat.

A circular letter with rules and regulations for conducting the investigation was sent out in May, 1910, to all the companies invited to participate. The letter, the rules and regulations and other general information appear in the appendix to this volume.

All the companies invited to take part in the investigation accepted, namely:

Aetna Life Insurance Company, Hartford,

Berkshire Life Insurance Company, Pittsfield,

Canada Life Assurance Company, Toronto,

Confederation Life Association, Toronto,

Connecticut General Life Insurance Company, Hartford,

Connecticut Mutual Life Insurance Company, Hartford,

Equitable Life Assurance Society, New York,

Federal Life Assurance Company, Hamilton, Ontario,

Fidelity Mutual Life Insurance Company, Philadelphia,

Germania Life Insurance Company, New York,

Great West Life Insurance Company, Winnipeg,

Home Life Insurance Company, New York, Imperial Life Assurance Company, Toronto, John Hancock Mutual Life Insurance Company, Boston, Life Insurance Company of Virginia, Richmond, London Life Insurance Company, London, Ontario, Manhattan Life Insurance Company, New York, Manufacturers Life Insurance Company, Toronto, Maryland Life Insurance Company, Baltimore, Massachusetts Mutual Life Insurance Company, Springfield, Metropolitan Life Insurance Company, New York, Michigan Mutual Life Insurance Company, Detroit, Mutual Benefit Life Insurance Company, Newark, Mutual Life Assurance Company of Canada, Waterloo, Ontario, Mutual Life Insurance Company, New York, National Life Insurance Company, Montpelier, New England Mutual Life Insurance Company, Boston, New York Life Insurance Company, New York, North American Life Insurance Company, Toronto, Northwestern Mutual Life Insurance Company, Milwaukee, Pacific Mutual Life Insurance Company, Los Angeles, Penn Mutual Life Insurance Company, Philadelphia, Phoenix Mutual Life Insurance Company, Hartford, Provident Life and Trust Company, Philadelphia, Provident Savings Life Assurance Society, New York, Prudential Insurance Company, Newark, Security Mutual Life Insurance Company, Binghamton, State Mutual Life Insurance Company, Worcester, Sun Life Assurance Company, Montreal, Travelers Insurance Company, Hartford, Union Central Life Insurance Company, Cincinnati, Union Mutual Life Insurance Company, Portland, Maine, United States Life Insurance Company, New York.

While all the companies would have been willing to contribute their complete data for all the classes required, several could not do so, and accordingly the Committee agreed to accept from them the data for such classes as could be obtained. The Pacific Mutual, for example, could not supply the data on many of the classes as their records had been destroyed in the San Francisco disaster. The Officers of the Provident Savings Life Assurance Society (now the Postal Life) suggested that they furnish data on Build only under policies granted in recent years on the Life and Endowment plans, and this was accepted.

PRINCIPLES AND METHODS

In the adoption of the method of carrying on the investigation the Committee had in mind four objects:

- (a) To make the preparation of the data as simple and as inexpensive to the companies as possible.
- (b) To employ a uniform method of abstracting the information from the records of the companies.

- (c) To use the most convenient and effective means of recording, sorting and tabulating the material received from the companies.
- (d) To make convenient the compilation of material for any additional investigation which the companies might desire for their own use.

To these ends, it was decided to make the investigation by policies (see Rules and Instructions); to take the duration to integral years; and to provide detailed instructions for methods of obtaining and preparing the data, so that all the companies would use the same methods.

In view of the large number of classes, and as many of the risks were in more than one class, it was decided to use the Hollerith system of perforating, sorting and tabulating cards. As this system was not generally known to the companies, the necessary instructions were formulated so that the data could be readily prepared by the companies which had no previous experience with it. Codes were constructed covering medical impairments, occupation, kind of policy, habitat, cause of death, etc., which were suitable for either a mechanical perforating system or for the older method of hand-written cards. Before preparing these codes the Committee made a study of the codes and the forms of cards of the four companies which were then using the Hollerith system, namely, the Equitable, the Penn Mutual, the New York Life and the Phoenix Mutual. The whole plan was then submitted to Mr. Hollerith, who kindly reviewed it. The companies were given the option of furnishing the data on perforated cards or on sheets similar to those used in the Specialized Investigation, the Committee undertaking to perforate cards from these sheets. A description of the method of using the perforated cards for mortality purposes is given on page 252 of Vol. XI of the Transactions of the Actuarial Society.

The Committee originally intended to take the issues of the year 1870 as the earliest material to be included in the investigation; but in view of the great changes which had taken place in the method of making medical examinations, in the manner of medical selection, in hygienic conditions surrounding the insured, and in the degree of hazard of the various occupations, it believed that it was not justified in going further back than the year 1885. It is true that there have been many changes since 1885, but a serious objection to starting at a more recent date is that there would not be a sufficient quantity of material, especially at the longer durations. The Committee believes, however, that the material taken from the business of the years 1885 to 1908 inclusive will be sufficient for the purposes of the investigation and at the same time will be substantially homogeneous with respect to the conditions referred to.

In 1885, the beginning of the period covered by the investigation, the companies contributing their experience had 97% of the total insurance in force in all old-line companies in the United States and Canada, while in the latest year to which the data were taken, they had 90% of the total insurance. It may be said therefore, that the material used in the investigation fairly represents the business of those countries.

The Committee gave special attention to obtaining homogeneous groups, the lack of homogeneity in certain classes having been a source of some criticism in the Specialized Investigation. For example, in that Investigation brewers and their employees were placed in the same occupation class; and under some of the medical impairments, such as blood-spitting, the time elapsed since the last attack and the number of attacks were not considered. In the present investigation the Committee took the view that the quantity of material now available and the facilities for handling that material justified subdivisions that could not have been made in the Specialized Investigation.

As in the Specialized Investigation, occupations treated as sub-standard were included, and cases treated as sub-standard for medical reasons were excluded. In the present investigation, however, cases treated as sub-standard by reason of family history only, were included.

The warning given in publishing the "Specialized" should be repeated, namely that in interpreting the results under impairments exclusive of family history, it must be kept in mind that the cases included were generally the best of their kind, as they were accepted by the companies on standard plans.

TERM INSURANCE

It was suggested by several companies that the mortality under Term Insurance be investigated. That question, however, had been submitted to the Actuarial Society in 1908, and after being thoroughly considered, it was not deemed expedient to make such an investigation for a few years yet. The principal reason against making the investigation was the lack of homogeneity in the data. The mortality would differ under the various kinds of Term Insurance, and the conditions under which Term Insurance was issued varied in the several companies. There are at the present time at least fifteen different forms of Term Insurance. some of them radically different from others. For example, the mortality under a 3-year term policy automatically converted into a 20-Payment Life contract at the end of three years would probably be different from that under a 10-Year Renewable Term policy. Some of the companies, by reason of an unfavorable experience under term contracts, have practiced a very stringent selection and have discouraged the business by paying a small commission to the agent, while other companies have canvassed freely for some forms of Term Insurance. even in sections of the country considered unfavorable by the majority of the companies. Furthermore, the conditions regarding Term Insurance prior to 1905 differed from those of the present time, term business being issued much more freely since the legislative investigation of 1905-1906.

PROPOSED NEW MORTALITY TABLE

It was also suggested that a new table of mortality on standard lives be prepared, which might supersede the American Experience and the Actuaries' Tables. The Committee did not see its way clear to adopt this suggestion for two reasons; in the first place, the Committee had not been appointed to perform such a work, its province being confined to an investigation of physical, occupational, and residential hazards, and hazards arising from family history. and of the effect of build upon longevity. In the second place, while authority might, perhaps, have been obtained from the Actuarial Society and the Medical Directors' Association to enlarge the scope of the investigation and to include therein the preparation of a new table of mortality, the Committee considered that the work which it had been charged to perform was so novel and far-reaching and of such great importance that it could best be performed separately. On the other hand, it is believed that the preparation of a new mortality table is a work of such importance that it should be carried on independently of, and unhampered by any other work. The Committee came very readily to this view, because it has not been demonstrated that the continued use of the American Experience table for the calculation of premiums and reserves necessarily creates inequities, or increases the cost of insurance to individual policyholders.

While it is undoubtedly true that the American Experience table shows on the average a higher death rate than that generally experienced by life insurance companies, it does not follow that a new table showing a lower death rate would produce lower policy reserves, and it is unnecessary to remind readers of this Report that under participating policies it is the actual death rate, and not the rate called for by the mortality table, which determines the cost of insurance to the policyholders.

CENTRAL BUREAU

To carry on the work of compiling, tabulating and recording the data, and to assist the companies, a Central Bureau was established with headquarters in New York City.

The material for the investigation was furnished by the companies in four ways:

- 1. Policy and Build sheets.
- 2. Hand-written cards.
- 3. Perforated cards.
- 4. "Exposed to Risk" sheets.

The earlier work of the Bureau consisted largely in advising the companies as to the best methods for abstracting their data and in interpreting the rules and instructions. The Bureau also assisted companies in planning more extensive investigations of their own experience and making arrangements for future investigations. Several companies decided it would be an opportune time to prepare the data for a general investigation of their entire business.

TABLE OF HEIGHT AND WEIGHT

In looking over the literature on anthropometrics one is struck with the dearth of reliable statistics that may be safely used for insurance work, regarding the relation of height to weight of both men and women. There are considerable data on children, on college men, and on soldiers; but none of these give a basis of comparison with insured lives, with the possible exception of the data on soldiers, and in that case the average age of the soldiers at the time of their enlistment is distinctly less than the average age at entrance of insured lives.

In 1836 Quetelet gave a table of the average height and the average weight at ages 20, 30, 40, 50 and 60 for a number of Belgian men and women. Thus at age 20 the average height of men was 5 feet 7½ inches, and the average weight was 143 pounds. In 1846 Dr. Hutchinson published a table of the average weights by inches in height, at the average age of 30, the statistics being based on 2,650 Englishmen "in prime of life, capable of and accustomed to use great muscular exertion." In 1880 T. B. Macaulay gave a table (J. I. A. Vol. XXIII) of the average weight at various heights of 2,000 insured lives in a Canadian company. He recognized that the influence of age on weight was considerable, but did not have sufficient statistics to justify the preparation of a table of height and weight at each age. In 1885 Dr. Foster, Medical Director of the Union Mutual Life Insurance Company of Portland, Maine, published a pamphlet (commented on in J. I. A. Vol. XXV) giving the average weight by inches in height of Insured who died in the eight years ending December 31st, 1882, but there was no distinction by age. A comparison of the figures obtained by Messrs. Quetelet, Hutchinson, Macaulay and Foster will not be made, because the statistics are few and the results are of academic interest only.

In addition to these writers, Roberts gave a large amount of valuable information based on data collected by the Interdepartmental Committee of the British Government on Physical Deterioration. He gives the average weight at various heights for individual ages below 23, and then for ages 23 to 50 combined, but for insurance companies the statistics by individual ages or in quinquennial groups of ages are required. The first table based on a considerable volume of statistics, which took account of the ages, was prepared by the Medical Directors' Association in 1897 and is known as the Shepherd table. It was based on 74,162 male applicants accepted for life insurance in the United States and Canada. In 1900 the National Fraternal Congress published a similar table of height and weight according to age, based on 133,940 persons insured in fraternal orders in the United States and Canada. In 1908 the Assicurazioni Generali, an Austrian company, published its statistics of heights and weights of men insured at the regular rates of premium. Recently a number of German companies have combined their statistics of heights and weights of men insured at the regular rates of premium, but these statistics have not yet been published.

In view of the dearth of statistics of heights and weights, and to confirm the statistics now used by life insurance companies, the Committee having in charge the Medico-Actuarial Investigation decided to prepare new tables for women, as well as for men, based on the experience of insurance companies in the United States and Canada. For this purpose the Committee called for a record of all cases on standard lives (policies granted at regular rates of premium) in the United States and Canada issued during January of the odd years and July of the even years, 1885 to 1900 inclusive. The recorded height was taken to the nearest inch: in even years of issue half inches were disregarded and in odd years of issue were taken as one inch.

It should be observed that, generally speaking, applicants for insurance are in their ordinary street costume when weighed, overcoats, however, being removed and sometimes coats. This, of course, makes a difference in the weight according to the season of the year, the weight of

the clothing of a man or a woman in winter being about five or six pounds more than in summer in the Northern sections of the United States, with a smaller variation in the Southern sections. Furthermore, the heat of the summer is apt to reduce the actual weight below that of the winter. The desire to obtain averages which did not differentiate by season or by section of country, led to the choice of January and July issues as already explained. The table based on such data must not be considered therefore as applicable to any particular season of the year or to any particular section of the country and accordingly due allowance should be made when making comparison with other data on a less comprehensive basis.

METHOD OF RECORDING DATA

The companies supplied the data to the Central Bureau on build sheets, hand-written cards, or perforated cards, and the first work of the Central Bureau staff was to prepare perforated cards for all cases supplied on build sheets or on hand-written cards. The perforated cards were divided according to the sex of the insured, then sorted by individual ages and subdivided by inches in height. The number in each group and the aggregate weight of the group were then obtained by means of a tabulating machine, and the average weight in each group was calculated. The results of this process will now be given, dealing with men and women separately.

MEN

There were received from the companies the necessary records for 221,819 policies issued on the lives of men.

Table I gives the number entering for each inch in height subdivided into groups for each age at entry, with the aggregate weight and the average weight for each such group. These groups are combined in Table II into quinquennial groups of ages at entry for each inch in height from 4 feet 11 inches to 6 feet 4 inches inclusive.

It will be noticed that the average weight in each of the five-age groups, with one exception, is greater at 5 feet than at 5 feet 1 inch; also that the number of men 5 feet in height is nearly as great as those 5 feet 1 inch, whereas the number at 5 feet 1 inch is only about one-third of the number at 5 feet 2 inches. This irregularity may be due to the height being recorded as 5 feet in a number of cases when it should have been 5 feet and some inches, the inches in height probably being omitted either by the medical examiner in his report or by the clerks in transcribing the record.

GRADUATION

In Table II there are irregularities, other than those just referred to, which are probably natural deviations due to small numbers in the groups. It was therefore deemed advisable to graduate these values. This graduation, when completed, was tested by three processes: (1) the average weights for wider groups of ages than five years were calculated, from which values intermediate to the central ages were interpolated; (2) the average weights for each successive three inches in height (thus 5-1, 5-2, 5-3 combined) were calculated for quinquennial age groups and the values for other heights than the central were interpolated; (3) the average weights from Table II were placed on the usual cross-ruled paper, lines were then drawn between the points, and smooth curves were superimposed by a graphic process.

In deriving the graded values the average weights at 5 feet were not used because they were considered erroneous, and those below that height and above 6 feet 3 inches were omitted because of paucity of data.

The graded average weights for quinquennial age groups are given in Table III. In the preparation thereof the average increase in weight for each quinquennial addition to age, given in the following table, was used as a guide.

MEN
INCREASE IN WEIGHT IN POUNDS FOR EACH
FIVE-AGE GROUP

Age Group	Number	Aggregate Weight	Average Weight	Increase in weight in pounds for each five-age group
15-19	5227	726170	138.9	
20-24	34293	5082381	148.2	9.3
25-29	49709	7585199	152.6	4.4
30-34	46299	7254884	156.7	4.1
35-39	36217	5799329	160.1	3.4
40-44	23941	3883682	162.2	2.1
45–49	13700	2252252	164.4	2.2
50-54	7406	1225947	165.5	1.1
55–59	3609	596544	165.3	— .2
60–64	1144	189068	165.3	.0
65–84	265	43994	166.0	.7
55-84	5018	829606	165.3	

A significant feature of the above table is that there is no marked increase or decrease in the average weight above age 50, the average for ages 50-54 being 165.5 pounds and for ages 55 to 84 being 165.3 pounds.

In Table IV are given the graded weights for all ages from 15 to 55 inclusive at each inch in height from 5 feet to 6 feet 5 inches inclusive. The table has not been carried beyond age 55 for the reasons which have just been given. These values in Table IV were derived by interpolation from the graded weights in Table III, making allowance in this process for the distribution of the statistics at each age. Thus, the middle age of the quinquennial group 15 to 19 is 17, but the average is 18.1 when allowance is made for the weight of statistics at each age. The following table gives the average age for each of the quinquennial groups:

13

BUILD-MEN

Age at Entry	Number	Average Age	Age at Entry	Number	Average Age
15 16 17 18 19	139 359 732 1581 2416	18.1	45 46 47 48 49	3497 3081 2631 2449 2042	46.7
20 21 22 23 24	3667 6232 7320 8158 8916	22.4 	50 51 52 53 54	2099 1562 1424 1199 1122	51.7
25 26 27 28 29	9705 9900 9904 10269 9931	27.0 	55 56 57 58 59	1009 836 678 572 514	56.7
30 31 32 33 34	10184 9568 9161 8991 8395	31.9	60 61 62 63 64	465 217 197 162 103	61.3
35 36 37 38 39	8130 7799 7155 6901 6232	36.9	65 66 67 68 69	104 61 35 26 17	66.1
40 41 42 43 44	6167 5138 4737 4065 3834	41.8			

Attention is drawn to the extension of Table IV down to age 15. The rough data show marked variation in the average weight under each inch in height at age 15, less variation at ages 16 and 17, and regular results at age 18. While the table has been carried for convenience to age 15, it should be borne in mind that there may be considerable differences in weight at the early ages because of the different periods at which boys reach maturity.

OBSERVATIONS ON TABLE OF GRADED WEIGHTS

To assist in the study of the table of the graded average weights (Table III) schedules have been prepared, showing (a) the increase in average weight in each age group for each inch of additional height, and (b) the increase in average weight in each height group from one age group to the next.

BUILD—MEN

INCREASE IN POUNDS IN AVERAGE WEIGHT FOR EACH INCH IN HEIGHT

Age Group									Fee nche												6 Fe					_
Group	0	1		2	3		4	5	(5	7	8	,	9	1	0	11		0	1	2	2	3	4	ŀ	5
15–19	2	?	3	3	,	3	4		4	4	4	Į.	4		4	5	5		5	j ,	5	5		 5	5	_
20–24	2	2	3	3	;	4	4		4	3	4	ŀ	4		4	4	5		5	; ,	5	5		5	5	
25–29	2	2	2	3	,	3	4		4	4	4	ŀ.	4		4	5	6		6	,	5	6		5	5	
30–34	2	2	2	3	;	3	4		4	4		5	4		5	5	6		6	,	5	6		6	5	
35-39	2	2	2	3	;	4	4		4	4		5	5		5	5	6		ϵ	,	7	6		6	6	
40-44	2	2	2	3	3	3	4		4	4	5	5	5		5	6	6		6	,	7	7		7	6	
45-49	2	2	2	3	}	3	4		4	4	5	;	5		5	6	6	1	7	•	7	7		7	6	
Over 49	2	?	2	3	;	3	4		4	5		5	5		5	5	6		7		7	7		7	7	
	1																	Į.								

ADDITIONAL WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age			,				Feet iches				9.0				6 Fee	t s		_
Group	0	1	2	3	4	5	6	7	8	9	10	11	0	1	2	3	4	5
15–19																		
20-24	.6	6	6	6	7	7	7	6	6	6	6	5	5	5	5	5	5	5
	5	5	4	4	3	3	3	4	4	4	4	5	6	7	8	9	9	9
25–29	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	6	6
30-34	Ĭ											3					U	U
35–39	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	6
	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	4	5	5
40–44	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	•	2	2
45–49	2	2	2	2	2	2	4	2	2	2	2	2		3	3	3	3	3
Over 49	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2

The first of the two tables above shows that a man's weight at 5 feet increases 2 pounds and at 6 feet increases 6 pounds on the average for one inch in height. The increase for each inch in height reaches a maximum of 5 pounds at the youngest ages and 7 pounds at the oldest ages.

The second table indicates that men of less than average height have their greatest increase in weight in passing from boyhood to manhood, and that the increase diminishes with advancing age. The period in which the taller men have on the average their largest addition to weight is postponed, the tallest men showing their greatest increase in weight between ages 23 to 27, instead of from 18 to 22.

EFFECT OF ESTIMATING WEIGHTS

In tabulating the data it was noticed that the weight of the majority of the applicants was recorded with a figure ending in 0 or in 5. In order that this may be seen at a glance, a tabulation has been made of all the entrants at 5 feet 8 inches consisting of 37,544 policies issued on the lives of men, in accordance with the last integral figure in the weight, the unit column; thus, 120, 130, 140, 150, 160 and so on, would be tabulated under 0.

Unit Figure in Weight	Number of Entrants	Ratio to Total
	12224	33%
1	815	2
2	2360	6
3	1638	5
4	1626	4
5	10540	28
6	2097	6
7	1909	5
8	3463	9
9	872	2

If each applicant were carefully weighed and the correct weight given, there would be 10% approximately at each unit figure in the weight, and as 61% of the cases appear with the unit 0 or 5, it would seem that in over 40%, or two-fifths of the cases, the weights were estimated. In the opinion of the Committee, this fact does not diminish the value of the statistics for insurance purposes.

The Committee desires to draw attention to the wide range of weights of individuals which make up the average weight and to the large number at each weight over a considerable range. It has accordingly prepared Table V giving the numbers and the aggregate weight for five-pound groups under quinquennial groups of ages for each inch in height. Experiments were made at first with subdivisions by ten-pound groups, from 130 to 139, 140 to 149, etc., and it was noticed that the average weight in these groups was about 133, 143, etc., due to the large percentage of estimated weights. In the tabulation of the weights the groups by five pounds were as follows:

123	124	125	126	127—central weight, 12.	5
128	129	130	131	132—central weight, 13	
133	134	135	136	137—central weight, 13	

and so on.

The average weight was found to agree closely with the central weight except in the small groups.

As examples of the wide range in weights at a given age and height the following schedule has been prepared for the decennial age group 20 to 29, height 5 feet 4 inches, decennial age groups 30 to 39 and 40 to 49, height 5 feet 8 inches, and the quinquennial age group 45 to 49, height 5 feet 10 inches.

BUILD—MEN

Ages 20-29	Height 5 feet 4	inches	Ages 30-39	Height 5 feet 8	inches
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total
Below 108	13	.5	Below 123	99	.7
108-112	49	2.0	123-127	259	1.9
113-117	133	5.5	128–132	602	4.3
118-122	288	11.9	133–137	1238	8.9
123-127	377	15.6	138–142	1574	11.3
128-132	412	17.0	143–147	1558	11.2
133-137	393	16.2	148-152	1770	12.7
138-142	292	12.0	153–157	1270	9.1
143–147	173	7.1	158–162	1350	9.7
148–152	129	5.3	163–167	1022	7.4
153–157	61	2.5	168-172	842	6.1
158–162	52	2.2	173-177	681	4.9
Above 162	53	2.2	178–182	507	3.6
Total	2425	$\overline{100.0}$	183–187	342	2.5
			188–192	270	1.9
			Above 192	524	3.8
			Total	13908	100.0
Average V	Weight 133 p	ounds	Average V	l Weight 155 pe	ounds

Ages 40-49	Height 5 feet 8	inches	Ages 45-49 Height 5 feet 10 inches					
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total			
Below 123	39	.6	Below 133	26	1.3			
123-127	106	1.6	133-137	42	2.0			
128-132	229	3.6	138-142	84	4.0			
133–137	384	6.0	143–147	137	6.6			
138-142	609	9.4	148–152	195	9.3			
143–147	612	9.5	153–157	142	6.8			
148-152	732	11.4	158–162	188	9.0			
153-157	574	8.9	163-167	194	9.3			
158–162	627	9.7	168–172	166	7.9			
163–167	528	8.2	173-177	174	8.3			
168-172	418	6.5	178–182	146	7.0			
173–177	452	7.0	183–187	132	6.3			
178–182	329	5.1	188–192	116	5.6			
183–187	260	4.0	193–197	76	3.6			
188–192	182	2.8	198-202	106	5.1			
Above 192	365	5.7	203-207	38	1.8			
Total	6446	100.0	208-212	36	1.7			
2000			Above 212	92	4.4			
·	•		Total	2090	100.0			
Average	Weight 159 p	ounds						
o o			Average Weight 171 pounds					

The average weight in the age group 30 to 39 is 155 pounds, yet the number of policies issued on the lives of men in the weight group 153-157 is only 9.1% of the total, and this is not as great as the number of policies issued on the lives of men in any of the other five-pound

groups from 138 pounds to 162 pounds. As a similar condition exists in the decennial age group 40 to 49 at the same height and in the other exhibits, it is probable that a *normal* weight for any age and height may vary considerably from the *average* weight for that age and height. The word normal is used in the sense of typical of the group.

While the tables of average weight are of great value they must be used with judgment, and it must always be borne in mind that a large percentage of men will differ considerably from the average in weight, and yet be as true to type as those of exactly the average weight. In this connection it may be well to repeat that the types represented in any weight group may vary from the weight in summer clothing in a Southern state to the weight in winter clothing in Canada.

The Committee wishes to state that those at the average weight may not have the lowest mortality. An investigation is in progress to determine the influence of build on longevity.

If a series of curves based on the figures in Table V and showing the ratio of the number of men in each five-pound group to the total were prepared the curves would be steep at either end but would be flat over a wide range of weight values.

COMPARISON WITH OTHER TABLES

As already stated the two principal tables of height and weight in use in the United States and Canada are the table prepared by the Medical Directors' Association (1897) and that prepared by the National Fraternal Congress (1901). A comparison is now given with these two tables, the former being designated as M.D.A., the latter as N.F.C. and the present Medico-Actuarial Table as M. A. The last mentioned is based on more data than were included in the other two tables combined.

BUILD—MEN

COMPARISON OF AVERAGE WEIGHTS WITH THOSE OF THE MEDICAL DIRECTORS' ASSOCIATION TABLE AND OF THE NATIONAL FRATERNAL CONGRESS TABLE

	1	5 Feet		5.0	eet 1 Ir	- ah	5 00	et 2 Inc	- h -o-	5 F.	et 3 In	ahas
AGE	M.D.A.	M.A.	N.F.C.	M.D.A.		N.F.C.	M.D.A.	M.A.	N.F.C.	M.D.A.	M.A.	N.F.C.
25-29	125	124	125	126	126	126	128	128	128	131	131	131
30-34	128	127	128	129	129	129	131	131	131	134	134	134
35-39	131	129	131	131	131	132	133	133	134	136	136	137
40–44	133	132	133	134	134	134	136	136	136	139	139	139
45-49	134	134	134	136	136	136	138	138	138	141	141	141
50 and over	134	135	134	136	137	136	138	139	138	141	142	141
	İ											
	5 Fe	et 4 Inc	ches	5 Fe	et 5 Inc	ches	5 Fe	et 6 Inc	ches	5 Fe	et 7 1n	ches
25–29	135	134	135	138	138	138	142	142	142	147	146	146
30–34	138	137	137	141	141	141	145	145	145	150	149	150
35–39	140	140	140	143	144	143	147	148	147	152	152	152
40–44	143	142	142	146	146	146	150	150	150	155	154	155
45-49	144	144	144	147	148	147	151	152	151	156	156	156
50 and over	145	145	145	149	149	149	153	153	153	158	158	158
										ŀ		
		eet 8 In		1	et 9 Inc			et 10 In			et 11 In	
25-29	151	150	151	155	154	155	159	158	159	164	163	164
30-34	154	154	154	159	158	159	164	163	164	169	168	169
35–39	157	157	157	162	162	162	167	167	167	173	172	173
40-44	160	159	160	165	164	165	170	169	170	175	175	175
45–49	161	161	161	166	166	166	171	171	171	177	177	177
50 and over	163	163	163	167	168	167	173	173	172	j 178	178	177
				l					_			
25 20	1.70	6 Feet			eet 1 I			et 2 In		1	et 3 In	-
25-29	170	169	170	177	175	177	184	181	184	190	187	190
30–34	175	174	175	181	180	181	188	186	188	195	192	195
35–39	179	178	179	185	184	185	192	191	192	200	197	200
40–44	180	181	180	186	187	186	194	194	194	203	201	203
45-49	183	183	183	189	190	190	196	197	198	204	204	204
50 and over	183	184	182	188	191	188	194	198	194	201	205	201

There is a great similarity between the three standards, the variation being not more than one pound except at 6 feet and over. This is surprising, as the three tables were prepared without reference to each other and from different data, with the exception that a small part of the statistics in the M.D.A. table appear also in the M.A. table. There seems no doubt that the new table represents accurately the average weight of individuals who are accepted for insurance at the regular rates of premium in the United States and Canada.

PRACTICE OF COMPANIES OF OTHER COUNTRIES

Through the courtesy of Mr. J. J. McLauchlan, Honorary Secretary of the Associated Scottish Life Offices, Edinburgh, the practice of the Scottish Offices with regard to their Standard Tables of Heights and Weights was obtained. The tables generally used are those of Drs.

Hutchinson, Robertson, Hall or Sieveking, the tables of the two last mentioned being based on the statistics of Hutchinson. In addition to these British Tables, the statistics of the Medical Directors' Association (data of 1897) are used in the form prepared by Dr. O. H. Rogers and by D. H. Wells. The Table of Weights (Weight C) given in the Specialized Investigation is also employed by one or more of the Scottish companies. There were 14 companies which used Dr. Robertson's or Dr. Hutchinson's Tables in some form or other, and 7 which employed one or other of the American Tables.

None of the British Tables takes account of age, and a comparison cannot be made with the new table, as the average ages may differ widely.

The practice of the English companies is similar to that of the Scottish Offices, there being no published table, based on British Insurance experience, in existence.

It has been recognized for many years that the average weight for a particular height varied with the age; but the difference of weight standard according to nationality has not been so generally observed. In order to bring out this latter difference an effort has been made to obtain reliable statistics for other countries than the United States.

Through the courtesy of Dr. Lind, Chairman of the Committee of the German companies, and of Prof. George Bohlman, valuable information has been obtained regarding the new German experience. There were 47 companies included in that investigation, of which 8 were foreign, and they contributed their material on their German business only. The total number of cards represented 418,090 people, the tables of heights and weights being based on about 60,000 of both sexes.

It is interesting to compare the German table for men with the new table and also with the table of the Assicurazioni Generali of Austria to which reference has already been made. With the exception of these two experiences the Committee has not found any European statistics which are based on insured lives and take account of age. A brief comparison is now given with the German and the Austrian tables:

COMPARISON OF AVERAGE WEIGHT IN POUNDS

MEDICO-ACTUARIAL, M. A.—COMBINED GERMAN COMPANIES (UNADJUSTED), C. G. C.—ASSICURAZIONI GENERALI (AUSTRIAN), A. G.

		Ages 20-2	24		Ages 30-3	34	Ages 40-49			
FT. IN.	M.A.	C.G.C.	A.G.	M.A.	C.G.C.	A.G.	M.A.	C.G.C.	A.G.	
5-2	124	139	132	131	148	143	137	152	149	
5-6	139	152	150	145	162	159	151	167	166	
5–10	154	165	161	163	177	176	170	182	188	
6-2	173	173		186	189		196	196	217	

Assuming the Medico-Actuarial Table as the standard, the following are the percentages for the other tables:

Height		20–24	Ages	30–34	Ages 40–49		
FT. IN. 5-2 5-6 5-10 6-2	c.g.c. 112% 109 107 100	106% 108 105	c.g.c. 113% 112 109 102	A.G. 109% 110 108	c.g.c. 111% 111 107 100	A.G. 109% 110 111	

The average weights of the insured in the Combined German Companies are comparatively close to those in the Assicurazioni Generali, while those of the Medico-Actuarial data differ materially from both. Excluding the extremes both of height and age, the average weight

of the German insured is about 10% higher than that of the insured in the United States and Canada. The smaller the stature of the German the more does he exceed in average weight the American.

The Committee has been given access to unpublished statistics of insured lives in Japan, from which it appears that the average weight in that country is lower than the average weight in the United States for the same height and age. It appears from the statistics obtained by the Committee that the average weight in one country may not be applicable in other countries especially where there is a difference in race.

AVERAGE HEIGHT OF MEN

While it is not a part of this investigation, it is of scientific interest to learn the average height of men in the United States and Canada. A calculation was made from the statistics of the average height of the insured, which from the following table may be seen to be slightly over 5 feet $8\frac{1}{2}$ inches.

AVERAGE HEIGHT OF MEN

Height	Number	Percentage of Total	Aggregate Height in Inches
4-5	1		53
46			
4—7	4		220
4—8	5		280
49	17]	969
4–10	19		1102
4–11	38	l l	2242
50	396	.2	23760
5—1	441	.2	26901
5—2	1198	.5	74276
5—3	2625	1.2	165375
5-4	6591	3.0	421824
55	12130	5.5	788450
5—6	22057	9.9	1455762
5—7	28086	12.7	1881762
5—8	37544	16.9	2552992
5—9	322 4 8	14.5	2225112
5–10	32718	14.7	2290260
5-11	23014	10.4	1633994
6-0	14585	6.6	1050120
6—1	4783	2.2	349159
6-2	2342	1.1	173308
6-3	669	.3	50175
6-4	229	.1	17404
6-5	53		4081
6-6	17		1326
6-7			237
6—8	3		240
6—9	3 3 2		162
6-10	2		102
6-11	i	''	83
Total	221819		15191629
	**	6 . 01	/

Average Height 5 feet 8½ inches

It must be distinctly understood that these men were measured in their shoes and due care must be taken when comparing with other than insurance statistics to see that they are on the same basis, as, for instance, the usual custom in the army is to take the height of men without shoes.

It is frequently asserted that the average height is increasing but we have no means of determining that point. The only available statistics for comparison are those of the American soldiers in the Civil War. Their average height is given by G. A. Gould according to country of birth, from which it appears that those born in America were the tallest, the average height of 753,666 soldiers at age 21 and over being about 5 feet 8 inches. As these men were measured in their stocking feet their average height is practically the same as the Insured in the present investigation.

WOMEN

It is generally recognized that the average weight of women is not the same as that of men of the same height, and the Committee decided to prepare a table of height and weight for women as well as for men. In the issues of January of the odd years and July of the even years, 1885 to 1900 inclusive, there were about 10,000 on the lives of women. As this was too small a number on which to base a table of height and weight, four companies kindly assisted the Committee by giving their data on the following number of policies issued on the lives of women, the year of issue being generally subsequent to 1900.

Equitable	10,000
Prudential	10,000
Mutual Life	20,000
New York Life	86,000

This enabled the Committee to base the statistics on 136,504 policies issued on the lives of women. The treatment of the statistics on women has been the same as of those on men, tables having been prepared of the following:

- 1. Number of policies issued on the lives of women, aggregate weight and average weight at each age for each inch in height.
- 2. Same information as in (1), but for quinquennial groups of ages.
- 3. Graded average weight for quinquennial groups of ages according to each inch in height from 4 feet 8 inches to 6 feet.
- 4. Same as in (3), but for individual ages.
- 5. Number of policies issued on the lives of women, and aggregate weight for each inch in height in quinquennial age groups by five-pound groups of weight.

The foregoing appear in Tables VI, VIII, VIII, IX and X.

The regularity of the increase in average weight at 4 feet 11 inches, 5 feet, and 5 feet 1 inch (Table VI) leads to the belief that there are no material errors in the average weight for women at 5 feet such as were noticed in the case of men.

Before grading the data the following schedule was prepared showing the increase in weight for each consecutive five-age group:

WOMEN
INCREASE IN WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age Group	Number	Aggregate Weight	Average Weight	Increase in weight in pounds for each five-age group
15–19	4596	570188	124.1	
20-24	22187	2837446	127.9	3.8
25–29	31300	4084088	130.5	2.6
30–34	28251	3784089	133.9	3.4
35–39	21391	2939572	137.4	3.5
40–44	13406	1886537	140.7	3.3
45-49	8117	1161774	143.1	2.4
50–54	4570	662704	145.0	1.9
55–59	1995	289318	145.0	.0
60–64	576	82878	143.9	-1.1
65–74	112	15476	138.2	_5.7

The most noticeable feature of this table is the decrease in weight above age group 55-59. As the data were not sufficient to determine the extent of this decrease at the various heights and as women at age 55 and over were only 2% of the total, it was deemed advisable to consider the average weight as constant at ages 55 and above.

In order to see the effects on weight of increasing height and also of advancing age, the following schedule has been prepared showing:

- (a) The increase in average weight in each age group for each inch of additional height.
- (b) The increase in average weight in each height group from one age group to the next.

BUILD—WOMEN
INCREASE IN POUNDS IN AVERAGE WEIGHT FOR EACH INCH IN HEIGHT

Age Group			Feet ches—		$\overline{\ }$	<u> </u>							Fe nch									6 Feet Inches
inge Oroup	8	9	10	1 1	L	0	1	2	?	3	4	5	;	6	7	8		9	10	11		0
15–19	2		2	2	2	2		3	3	3	,	3	4	4	. 4	Į.	3	4	1	5	5	l
20-24	2		2	2	2	2		3	3	3	;	3	4	4	. 4	Ļ	4	4	ŀ	4	4	
25–29	2		2	2	2	2		2	3	4		3	4	4	. 4	Ļ	4	4	Į.	3	4	
30-34	2		2	2	2	2		2	3	4	4	1	4	4	. 4	ŀ	4	3	3	3	4	
35-39	2		2	2	2	2		3	3	4	4	1	4	4	. 4	Ļ	4	3	3	3	3	٠.
40 – 44	2		2	2	2	2		3	3	3		ŧ	4	4	4	ŀ	4	3	3	4	3	٠.
45-49	2		2	2	2	2		3	3	3	•	ŧ	5	4	. 4	Ļ	4	3	3	4	3	
50-54	2		2	2	2	2		3	3	3		1	4	5	5	<u> </u>	4	4	ŀ	4	3	٠.

ADDITIONAL WEIGHT IN POUNDS FOR EACH FIVE-AGE GROUP

Age Group			Feet ches—								eet hes—						6 Fect Inches
Age Gloup	8	9	10	11	0	1	2	3	4	5	6	7	8	9	10	11	0_
15-19																	
20–24	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	2
	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	2
25–29	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3
30-34	٦	3	3	3		3	3	3	3	7	7	7	7	-	J	3	"
25 20	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3
35–39	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4
40–44		_						_	_						_		
45-49	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	2	2	2	2	2	2	2	2	2	2	1	2	3	3	4	4	4
50-54																	

The taller women increase in weight for each inch of increase in height to a greater extent than the shorter women but not to the same degree as men. The increase in weight of women with age is very uniform, the increase from one quinquennial age group to that succeeding being between 3 and 4 pounds irrespective of whether the women are 4 feet 8 inches or 6 feet.

The same wide range of the insured by five-pound groups is seen in the statistics of women as was noticed in those of men. For example, the average weight at ages 30-39 of women 5 feet 4 inches is 133 pounds, yet the groups 118-122 pounds and 123-127 pounds contain more women than the two groups nearest the average weight 128-132 and 133-137 pounds. In the following schedules appear two examples showing the distribution of women by weight (five-pound groups).

BUILD-WOMEN

	4.4 . 5 774	A Impho	Ages 40-49 Height 5 Feet 4 Inches						
Ages 30-39 H	eight 5 Feet	4 Inches	Ages 40-47 11	light o T eet					
Weight Group	Number	Ratio to Total	Weight Group	Number	Ratio to Total				
Below 103	108	1.2	Below 103	33	.8				
103-107	227	2.5	103-107	44	1.1				
108-112	569	6.2	108–112	127	3.2				
113-117	643	7.0	113-117	160	4.0				
118–122	1085	11.8	118–122	368	9.2				
123-127	1141	12.4	123-127	393	9.8				
128-132	1026	11.2	128-132	421	10.5				
133–137	1050	11.4	133–137	400	10.0				
138-142	894	9.7	138-142	424	10.6				
143–147	513	5.6	143-147	309	7.7				
148-152	644	7.0	148-152	362	9.0				
153–157	314	3.4	153-157	205	5.1				
158-162	388	4.2	158-162	257	6.4				
163-167	209	2.3	163-167	175	4.4				
168-172	162	1.8	168-172	139	3.5				
Above 172	219	2.4	173-177	96	2.4				
Total	$\overline{9192}$		178-182	44	1.1				
		nounda	Above 182	57	1.4				
Average W	eignt 133	pounds	Total 4014						
			Average W	eight 140	pounds				

COMPARISON BETWEEN WEIGHTS OF MEN AND WOMEN

To bring out clearly the difference in the graduated average weight between men and women of the same height and age, a table has been prepared at 5 feet, 5 feet 4 inches, 5 feet 8 inches and 6 feet for four quinquennial age groups and for ages 55 and over. It is as follows:

COMPARISON OF AVERAGE WEIGHT OF MEN AND WOMEN

A Crown		5 Feet		5 Feet 4 Inches					
Age Group	Men	Women	Diff.	Men	Women	Diff.			
15–19	113	112	1	124	123	1			
25-29	124	118	6	134	129	5			
35–39	129	124	5	140	136	4			
45-49	134	131	3	144	142	2			
55 and over	135	133	2	145	144	1			
	5 1	eet 8 Inch	28	6 Feet					
15–19	140	138	2	158	155	3			
25-29	150	144	6	169	159	10			
35–39	157	152	5	178	165	13			
45-49	161	159	2	183	173	10			
55 and over	163	163	0	184	177	7			

The foregoing table indicates that the difference in weight between men and women of the same height is slight below age 20, but above that age young men are distinctly heavier than young women, the difference becoming less marked as they grow older. The tall women are markedly lighter than men of the same height. By noting the increase in weight by age it will be seen that, after a woman has become of age she increases in weight more rapidly than a man—thus the increase in weight between the quinquennial age groups 25-29 and 45-49 is 10 pounds for men and 13 pounds for women at 5 feet 4 inches and 11 pounds for men and 15 pounds for women at 5 feet 8 inches.

To determine whether the increase in pounds for each increase of an inch in height is greater or less for men than for women the following table is presented. It is based on the ungraded statistics, so as to preserve the characteristics of the original data, but no groups have been given where there are less than 100 policies; the statistics at 5 feet for men have been excluded for reasons already given.

AVERAGE WEIGHTS FROM ORIGINAL STATISTICS FOR EACH INCH IN HEIGHT FOR ALL AGES COMBINED EXCLUDING GROUPS WHERE THERE ARE LESS THAN 100 POLICIES AND EXCLUDING POLICIES ISSUED ON THE LIVES OF MEN 5 FEET IN HEIGHT

Height	Men	Increase in lbs. for each inch in height	Women	Increase in Ibs. for each inch in beight
4-8			112	
49			116	4
4–10			118	2
4–11			120	2
5—0		l l	122	2
5—1	129		124	2
52	131	2	126	2 3
5—3	133	2	129	3
5-4	137	4	132	3
5—5	141	4	136	4
5—6	145	4	140	4
57	149	4	144	4
5—8	153	2 2 4 4 4 4 4	148	4 4
5—9	157		152	4
5-10	162	4 5	156	4 3
5-11	168	6	159	3
6—0	174	6	162	3
6—1	180	6		
6—2	186	6		
6—3	191	6 5		
6—4	200	9	• •	<u> </u>

The foregoing exhibit shows that when all ages are combined, the increase in pounds for each increase of an inch in height among men is practically the same as among women except among tall persons.

The Committee has been unable to find any statistics on women with which to compare the average weights in the present investigation with the exception of those of Dr. Rogers and Dr. Weisse (published in the Transactions of the Medical Directors' Association) which are largely based on the same material.

AVERAGE HEIGHT OF WOMEN

As may be seen from the following table, the average height of insured women of the United States and Canada, taken in their shoes, was 5 feet $4\frac{1}{4}$ inches.

AVERAGE HEIGHT OF WOMEN

•			
Height	Number	Percentage of Total	Aggregate Height in Inches
3–11	1		47
4-0			96
4-1	2 6		294
4-2	12	• •	600
4-3	7		357
44	13		676
$\frac{1}{4}$ — $\hat{5}$	19		1007
46	19		1026
47	19		1045
4-8	68		3808
49	202	.1	11514
4 –10	586	.4	33988
4-11	1305	1.0	76995
50	5459	4.0	327540
5—1	7517	5.5	458537
5—2	14654	10.7	908548
5—3	18375	13.5	1157625
5-4	25105	18.4	1606720
5—5	22798	16.7	1481870
5—6	18236	13.4	1203576
57	11384	8.3	762728
5—8	6591	4.8	448188
5—9	2508	1.8	173052
5-10	1072	.8	75040
5-11	385	.3	27335
60	130	.1	9360
61	17	·	1241
6-2	8		592
6—3	4		300
6-4	1	l	76
6—5	1		77
Total	136504		8773858
	Average Heig	ght 5 feet $4\frac{1}{2}$	4 Inches.

TABLE I BUILD—MEN

	4 Feet 5 Inches				4 Feet 6 Inches		4 Feet 7 Inches		
Age	Number	Aggregat e Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15 19 29		 98	 98				3 1	247 138 	82 138

		4 Feet 8 Inches		4 Feet 9 Inches		4 Feet 10 Inches			
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14				1	82	82			
15	1	88	88	3	259	86	4	326	82
16	1	85	85	1	84	84	3	245	82
17				1	92	92	1	115	115
18				2	226	113			
19	1	96	96)					
20				1	132	132			• •
23 25							1	82	82
25							1	103	103
26				2	233		1	147	147
29				1	100	100	1	123	123
30	1	125	125				1	122	122
32 35 39	l						1	132	132
35				2	238	119			
39	1						1	111	111
41			۱	1	90				• •
42				1	123				
44	1			1	158	158	1	140	140
45	1	128	128					• •	.::
50	l						1	120	120
53							2	301	151

TABLE I (Continued)
BUILD—MEN

		4 Feet 11 Inches			5 Feet		5 Feet 1 Inch		
ge	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
0							· ;	 86	
3	1	72	72	1	96	96			
4		172	87	8	790	99	iil	1132	10
5	2	173 389	97	11	1101	100	17	1772	10
6 7	4 3	317	106	7	748	107	12	1250	10
8	3	317	100	9	1097	122	4	413	10
9				9	1131	126	9	1071	11
ó				14	1810	129	5	614	12
ì				15	2040	136	13	1610 1601	12 12
2	1	110	110	13	1732	133	13	1662	12
3	1	118	118	17	2345	138	13	1891	13
4	1	110	110	9	1228	136	14 15	1982	13
5		::		15	2011	134 148	8	1034	12
6	1	130	130	9	1329	148	19	2533	13
7	1	135	135	14	1738 2264	142	19	2533	13
8	2	265	133	16 14	1945	139	21	2678	12
9		• •	• •	27	3774	140	17	2263	13
30 31	i	137	137	7	953	136	14	1780	13
32	1 1	137	138	21	2852	136	11	1480	13
3		106	106	12	1656	138	20	2638	13
34	i	118	118	10	1380	138	8	1070	13
5	l îl	120	120	20	2693	135	17	2193	13
36	i	125	125	18	2583	144	12	1586	13
37	3	350	117	12	1627	136	17	2251	13
88	1	100	100	10	1365	137	14	1738	12
39			}	6	862	144	11	1521	1:
10	1	90	90	11	1452	132	17	2413	14
11	1	105	105	6	865	144	13	1658	1:
12	1	115	115	5	688	138	10	1313	1. 1.
13	1 :	120	120	7	848 838	121 140	6 8	1010	1:
14 15	1 2	120 253	120 127	6	819	137	9	1248	1.
16 16	2			3	391	130	9	1189	1.
17	·il	149	149	4	580	145	$\stackrel{\checkmark}{4}$	570	1.
18	î	135	135	5	676	135	4	548	1
19				4	595	149	4	518	1
50				3	414	138	3	440	14
51	1	119	119	3	410	137	2	260	13
52 53	I			1	118	118	3	381	1:
53				1	169	169	4 2	576	14
54				• :			2	253	1:
55	1	124	124	1	196	196	1	135	13
56		• •		1	155	155	3	397	13
57		• •	• •	1	145	145	1	145	1.
59	1	135	135	1	154	154	1	110	1
50 51	1			2 1	296 150	148 150	· ; l	155	1
62		• •	• •	1 1			1 1	155	1
14	• • •	• • •	• •	• • •	• •	• •	1	120	1:

TABLE I (Continued) BUILD—MEN

		5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
12	1	123	123						
13	.:			1	114	114		• •	• •
14 15	1 8	110 826	110 103	ii	1205	110	15	1717	114
16	13	1442	111	27	2957	110	25	2983	119
17	12	1415	118	25	2840	114	50	5993	120
18	13	1568	121	33	4028	122	90	11155	124
19	16	2012	126	28	3463	124	89	11307	127
20	21	2571	122	. 50	6300	126	120	15410	128
21 22	28 39	3411 4829	122 124	77	9690	126 127	185	24150 27715	131 131
23	43	5526	124	82 101	10440 12976	127	212 218	28671	131
24	35	4443	127	106	13589	128	263	34868	133
25	36	4655	129	129	16782	130	286	38178	133
26	51	6703	131	111	14580	131	295	39474	134
27	43	5505	128	86	11496	134	305	40825	134
28 29	46 46	5973 6067	130 132	105 108	13813 14283	132 132	274 267	37281 35847	136 134
30	60	7834	132	119	15829	132	298	40825	137
31	53	6864	130	112	14782	132	231	31657	137
32	42	5569	133	95	12589	133	253	34776	137
33	51	6694	131	105	14241	136	252	34691	138
34	. 36	4775	133	83	11119	134	253	34520	136 137
35	42	5426	129	82 98	11077 13431	135 137	244 225	33464 31454	140
36 37	39 40	5277 5395	135 135	79	10556	134	190	26670	140
38	42	5774	137	69	9595	139	206	29036	141
39	37	4976	134	74	10139	137	194	27491	142
40	37	5033	136	65	8971	138	186	26023	140
41	22	2922	133	56	7814 6039	140 137	151 153	21288 21984	141 144
42 43	26 32	3538 4403	136 138	44 47	6712	143	119	17183	144
43 44	21	2823	134	46	6332	138	123	1735.7	141
$\frac{11}{45}$	26	3386	130	53	7441	140	112	16027	143
46	16	2142	134	39	5268	135	104	15064	145
47	14	2002	143	37	5246	142	93	13288 9154	143 148
48	9	1299	144 139	24 27	3545 3809	148 141	62 56	8131	145
49 50	13 9	1813 1218	135	39	5290	136	66	9458	143
51	9	1371		28	4034	144	35	5138	147
52	9	1294	144	21	2874		43	6162	143
53	13	1825		27	3842				144 141
54	15	2057		13					144
55	9 5	1208 688		11 8					146
56 57	6	890		8	1008	126		2811	141
58				9	1269	141			147
59	2	299	150					2045 2490	136
60	2 3 3	401		6	1	143			146 135
61			Į.	3 3					143
62 63	4	531	133	2		129		1032	147
64	1	125					9	1276	
65		123	120				1 3	386	
66		• •		2 2	285			266 346	
68				2	286	143	4	340	1/3

TABLE I (Continued)
BUILD—MEN

	5 Feet 5 Inches				5 Feet 6 Inches		5 Feet 7 Inches		
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
13							1	155	155
14	::	::		1	110	110	::	::	
15 16	22 45	2815	128	20	2478	124	10	1246	125
17	54	5317 6714	118 124	53 108	6851 14224	129 132	42 114	5536 15371	132
18	109	14033	124	227	30292	132	231	31382	135 136
19	135	17727	131	286	38315	134	363	49995	138
20	236	31033	131	404	55356	137	495	69246	140
21	357	48053	135	631	86704	137	833	117288	141
22 23	429	57626	134	749	102923	137	1018	144286	142
$\frac{23}{24}$	458 503	61556 68453	134 136	795	111170	140	1083	155090	143
$\tilde{25}$	485	66137	136	946 955	132080 134024	140 140	1187 1281	170074 184454	143 144
26	496	67803	137	966	136462	140	1271	184746	144
27	493	67938	138	971	137754	142	1226	178944	146
28	557	77949	140	1043	148148	142	1295	189911	147
29 30	479	65960	138	1002	142788	143	1248	183232	147
30 31	570 536	79738 74702	140	918	132037	144	1323	195191	148
32	481	68657	139 143	955 895	139231 130080	146	1188	177258	149
33	469	65972	141	860	126166	145 147	1175 1109	175120 166206	149 150
34	444	62942	142	788	115244	146	1063	160201	151
35	430	61610	143	766	113589	148	974	147547	151
36 37	419	60528	144	765	113162	148	930	140142	151
38	358 388	51677 56727	144	712	105172	148	893	135029	151
39	368	53107	146 144	679 610	101668 91071	150	875	132930	152
40	368	53198	145	584	88078	149 151	783 704	1199 1 4 108615	153
41	289	42731	148	490	74874	153	636	98005	154 154
42 43	237	34274	145	459	68402	149	599	92746	155
43 44	248 213	36496	147	414	62739	152	524	80927	154
45	180	31140 26588	146 148	370	56173	152	505	78103	155
46	177	25961	147	337 298	51822 45451	154	387	61053	158
47	147	21493	146	267	40913	153 153	417 304	64627	155
48	132	19597	148	259	39767	154	316	47547 49334	156 156
49 50	97	14490	149	204	31404	154	237	37192	157
51	143 87	20954 12615	147	197	30181	153	256	40471	158
52	64	9570	145 150	136 151	21216	156	170	26677	157
53	86	13007	151	108	23127	153	157	25026	159
54	44	13007 6700	152	121	16736 18289	155 151	131 139	20744	158
55 56	63	9594	152	115	17338	151	141	22307 22278	160
57	46 40	6789	148	89	13836	155	106	16846	158 159
58	32	5912 4696	148 147	82	12726	155	87	13703	158
59	25	3889	156	75 55	11606	155	59	9286	157
60	30	4467	149	46	8937 6957	162	54	8402	156
61	12	1780	148	23	3609	151 157	47 25	7519	160
62 63	13	1905	147	21	3198	152	19	4019 2862	161
64	6 5	881	147	12	1874	156	20	3275	151 164
$6\overline{5}$	16	775 2278	155 142	12	1834	153	13	2023	156
66	2	325	163	8	1262	158	7	1116	159
67	2 3	460	153	3	870 497	145	2 3	322	161
68	3	425	142		49/	166		476	159
69 70	• •	150		3	453	151	5	761	152
71	1	159	159	4	640	160	٥	473	158
73		• •	• •	1	150	150	i	140	140
83			• • •	_ 1	135	135	1	162	162
				7	155	155			

TABLE I (Continued)
BUILD—MEN

		5 Feet 8 Inches	_		5 Feet 9 Inches			5 Feet 10 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	9	1092	121	5	674	135	3	386	129
16	49	6687	136	33	4616	140	18	2575	143
17	124	17217	139	89	12428	140	73	10570	145
18 19	276	38833	141	211	30337	144	186	27628	149
20	431	61647	143	351	51458	147	313	47023	150
21	620 1079	89362	144	571	84176	147	509	76844	151
$\frac{21}{22}$	1197	156293 175256	145 146	962 1072	143432	149	830	126508	152
23	1357	199553	147	1195	160316 180074	150 151	1028 1186	157528 183587	153 155
24	1523	224726	148	1282	194600	151	1240	192194	155
25	1640	243014	148	1415	214630	152	1402	218972	156
26	1688	251751	149	1489	227672	153	1463	230317	157
27	1705	255895	150	1492	227569	153	1446	227448	157
28	1682	253000	150	1488	230213	155	1587	252754	159
29	1703	257613	151	1457	226266	155	1470	234227	159
30	1742	265880	153	1520	237505	156	1440	231272	161
31	1595	244392	153	1461	229793	157	1448	233819	161
32 33	1575	240925	153	1349	212262	157	1326	215514	163
33 34	1552 1345	240067 208607	155	1315	208471	159	1356	221217	163
35	1343	213123	155 156	1223 1190	195635 192094	160 161	1325 1259	216646 205901	164 164
36	1320	205922	156	1123	180336	161	1235	203012	164
37	1198	188005	157	987	159531	162	1072	176299	164
38	1156	181700	157	982	160594	164	1044	173406	166
39	1058	167125	158	886	143302	162	934	156281	167
40	1058	167434	158	873	142548	163	938	155819	166
41	905	142226	157	761	124657	164	742	124571	168
42 43	822	129948	158	666	110042	165	748	125189 99996	167 169
43 44	648 679	103378 107965	160 159	598 532	98443 87460	165 164	593 567	95658	169
45	624	99616	160	523	86317	165	531	89936	169
46	480	77688	162	426	69936	164	464	78717	170
47	443	71270	161	375	62490	167	402	69243	172
48	421	67885	161	321	52851	165	373	64109	172
49	366	58894	161	294	48951	167	320	54957	172
50	351	56847	162	297	49163	166	321	54468	170 172
51 52	280	45432	162	231	38708 29697	168 169	253 213	43536 36345	171
52 53	247 176	40339 28401	163 161	176 181	30742	170	145	25022	173
54	195	31469	161	183	30846	169	167	29591	177
55	168	27662	165	128	21495	168	126	21481	170
56	134	21721	162	95	16028	169	136	23654	174
57	123	20056	163	96	15980	166	101	17400	172
58	97	15778	163	80	13675	171	87	14947	172
59	97	15616	161	79	13040	165 169	72 83	12137 14383	169 173
60 61	80	13122	164 164	60 27	10140 4401	163	37	6352	173
62	34	5565 6130	161	32	5528	173	21	3666	175
63	38 23	3946	172	23	3837	167	23	3931	171
64	12	1834	153	20	3300	165	11	1902	173
65	21	3416	163	11	1799	164	17	2945	173
66	21 13	2112	162	6	1024	171	12	2070	173
67	8	1362	170	4	592	148	10	1887	189
68	3	507	169	1	190	190	4 5	640 1066	160 213
69 70	1	150 336	150 168	i	160	160	1	160	160
70 71	2 2 1	370	185	1		100			
72	ī	132	132		••				
73	1	147	147					••	
79		••					1	150	150
80						• •	1	150	150

TABLE I (Continued)
BUILD—MEN

	1	5 Feet 11 Inches			6 Feet			6 Feet 1 Inch	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	2	227	114	1	154	154	1	160	160
16	7	1027	147	4	653	163	5	804	161
17 18	37	5458	148	17	2629 10542	155 157	16	636 2768	159
19	100 205	15400 31511	154 154	67 116	18354	157	39	6441	1/3
20	320	49159	154	195	31428	161	65	10616	159 173 165 163
21	632	99443	157	386	62362	162	127	20738	163
22	764	120660	158	428	70372	164	170	28677	169
23	866	138632	160	536	88211	165	181	30617	169
24 25	897 1051	143154 169401	160	605 628	100297 104426	166 166	179 219	30754 37882	172
26	1025	166383	161 162	663	111524	168	219	38626	173 172
$\overline{27}$	1079	175442	163	667	112516	169	210	37026	176
28	1074	176141	164	673	114277	170	221	39148	177
29	1054	174851	166	669	114425	171	222	39218	177
30 31	1088	181252	167	689	118565	172	240	43284	180
31 32	980 974	163346 163543	167 168	629 621	108486 107930	172 174	196	35165	179
33	938	159877	170	577	101127	174	191 221	34538 40346	181 183
34	932	158663	170	580	102431	177	189	34178	181
35	892	153459	172	529	93838	177	184	33920	184
36	781	133693	171	533	95221	179	164	30280	185
37 38	773 749	132808	172	541	96913	179	161	29618	184
39	645	129616 112408	173 174	435 391	78521 70964	181 181	142	26938	190
40	678	118511	175	413	74446	180	140 137	26610 25423	190 186
41	501	88165	176	352	63802	181	124	23429	189
42	491	85511	174	315	56935	181	93	17619	189
43 44	407	72144	177	264	48174	182	98	18098	185
45	406 335	70667 58892	174	229 228	42167	184	76	13969	184
46	321	56400	176 176	209	41467 38680	182 185	73	13965	191
47	277	49311	178	158	28714	182	68 67	13010 12447	191 186
48	283	50251	178	158	29030	184	55	10480	191
49 50	197	35459	180	148	27433	185	45	8524	189
51	196 163	34199 29275	174 180	159	28804	181	34	6497	191
52	158	28518	180	99 126	18302 23253	185	36	6739	187
53	119	20805	175	121	21965	185 182	34 26	6555	193
54	101	18083	179	67	12096	181	23	5158 4484	198 1 95
55 56	115	20277	176	74	13581	184	13	2597	200
57	88 54	15556 9679	177 179	61	11746	193	18	3332	185
58	56	10126	181	43 40	7924 7281	184	6	1062	177
59	48	8394	175	35	6485	182 185	14	2578	184
60	45	8006	178	34	6200	182	12	2463	205
61 62	23	4085	178	16	2915	182	5	1109 896	185 179
63	20 27	3481 4902	174	18	3081	171		070	
64	12	2118	182 177	12 6	2092	174	3	596	199
65	11	1942	177	8	1184 1548	197	1	162	162
66	7	1185	169	6	1078	194 180	1	168	168
67 68	4	692	173		10,0	100	3	581	194
69	3	555	185	3	613	204		• •	• •
70	1	175 173	175 173	3	514	171			• •
73	î	185	185	• •					• • • • • • • • • • • • • • • • • • • •
	<u></u>				••				• •

TABLE I (Continued)
BUILD—MEN

		6 Feet 2 Inches			6 Feet 3 Inches			6 Feet 4 Inches		
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
16	1	150	150							
17	1	144	144							
18 19	6	1033	172	1	190	190	. :	1.70		
20	17 29	2944 4875	173 168	6 9	1004	167	1	178	178	
21	60	10386	173	12	1617 2063	180 172	3	523	174	
22	69	11850	173	26	4509	173	8	1430	174	
23	76	13382	176	21	3922	187	8	1598	200	
24	94	16534	176	21	3650	174	11	2140	195	
25	104	18705	180	34	6315	186	8	1560	195	
26	92	16129	175	29	5320	183	9	1745	194	
27	100	17873	179	28	5204	186	15	2791	186	
28 29	138 117	25415	184	33	6197	188	12	2412	201	
30	90	21381 16577	183 184	41 31	7628 5865	186 189	8 9	1599 1753	200 195	
31	116	21660	187	37	7254	196	6	1113	186	
32	107	19758	185	31	5942	192	5	1062	212	
33	113	21130	187	29	5666	195	8	1620	203	
34	81	14969	185	24	4457	186	7	1410	201	
35	95	18108	191	20	4038	202	10	2025	203	
36	90	17445	194	32	6137	192	12	2517	210	
37	83	15967	192	27	5194	192	8	1553	194	
38 39	75 67	14711 12846	196 192	22 14	4497 2821	204 202	9 10	1886 2009	210 201	
40	66	12666	192	19	3834	202	8	1589	199	
41	71	13685	193	11	2364	215	4	862	216	
42	45	8701	193	12	2339	195	7	1420	203	
43	38	7594	200	13	2532	195	7	1611	230	
44	36	7111	198	10	1939	194	3	648	216	
45	50	10090	202	9	1810	201	9	1894 913	210 183	
46 47	34	6608 5289	194 196	10	1882 1475	188 211	5	643	214	
48	27 20	4013	201	3	546	182	2	397	199	
49	21	4205	200	9	1884	209				
5 0	17	3447	203	5	942	188	1	178	178	
51	20	3990	200	8	1752	219	1	242	242	
52	11	2156	196	8	1690	211	1	275	275	
53	14	2687	192	6	1145	191	1	240 352	240 176	
54	8	1643	205	5	1063	213	2	185	185	
55 56	11 5	2020 977	184 195	2	382	191	2	425	213	
57	6	1131	189	2	393	197	2	451	226	
58	5	945	189	$\bar{1}$	200	200	1	192	192	
59	8	1438	180				1	216	216	
60	3	623	208				1	229	229	
61					• •	• •	• • •	• •	• •	
62	3	630	210	• •	••		• •	• •	• •	
63	· ;	225	225	• •			:	• •	• •	
64 65	1	225		i	198	198				
69	i	194	194							
U7	1	1/4	1							

TABLE I (Concluded)
BUILD—MEN

		6 Feet 5 Inches			6 Feet 6 Inches			6 Feet 7 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
20	3	542	181						
21	2	396	198				• •	• •	• •
22	1	175	175	1	225	225	• •		
23	1	185	185	1	198	198		• •	• •
25	1	215	215				• • •	•••	
26	2	390	195	4	679	170	• • •	• •	• •
27	4	755	189				• :	.::	.::
28	3	600	200				1	156	156
29	1	185	185	1	225	225	• •	• •	• •
30	1	200	200		• • •			• •	
31	2	440	220	1	140	140		• •	
32	3	724	241	2	402	201		• • •	
33	2	400	200	1	180	180		• •	
34	3	666	222						
35	6	1224	204						• •
36	1	170	170				1	145	145
37	1	163	163						
38	2	440	220						
39	1	218	218	1	225	225			
40	1	210	210	3	759	253			
41	1	248	248						
42	1	185	185	1	180	180	1	202	202
43	2	465	233						
45	2	372	186						
46	1	175	175						
47	1	212	212						
48	1	268	268						
50				1	245	245			
52	1	225	225						
60	1	250	250						
62	1	228	228						

		6 Feet 8 Inches			6 Feet 9 Inches		6 Feet 11 Inches			
Age	Numher	Aggregate Weight	Average Weight	Numher	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
32				2	526	263				
38	1	195	195							
39	1	260	260							
41							1	165	165	
44	1	160	160	• •	••					

TABLE II BUILD—MEN

		4 Feet 11 Inches			5 Feet			5 Feet 1 Inch	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	72	72	1	96	96	1	86	86
15–19	9	879	98	44	4867	111	53	5638	106
20-24	3	338	113	68	9155	135	58	7378	127
25-29	4	530	133	68	9287	137	82	10760	131
30-34	4	499	125	77	10615	138	70	9231	132
35–39	6	695	116	66	9130	138	71	9289	131
40–44	4	430	108	35	4691	134	54	7264	135
45–49	4	537	134	22	3061	139	30	4073	136
50-54	1	119	119	8	1111	139	14	1910	136
55–59	1	124	124	4	650	163	6	787	131
60–64	1	135	135	3	446	149	2	275	138
Total	38			396			$\overline{441}$		

		5 Feet 2 Inches			5 Feet 3 Inches			5 Feet 4 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	2	233	117	1	114	114			
15–19	62	7263	117	124	14493	117	269	33155	123
20-24	166	20780	125	416	52995	127	998	130814	131
25-29	222	28903	130	539	70954	132	1427	191605	134
30-34	242	31736	131	514	68560	133	1287	176469	137
35–39	200	26848	134	402	54798	136		148115	140
40-44	138	18719	136	258	3 5868	139	732	103835	142
45-49	78	10642	136	180	25309	141	427	61664	144
50-54	55	7765	141	128	17945	140	219	31445	144
55-59	22	3085	140	45	6276	139	119	17078	144
60-64	11	1544	140	14	1898	136	47	6743	143
6569				4	571	143	7	998	143
Tota1	1198			2625			6591		

		5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Averag e Weight
10-14		•••		1	110	110	1	155	155
15–19	365	46606	128	694	92160	133	760	103530	136
20-24	1983	266721	135	3525	488233	139	4616	655984	142
25-29	2510	345787	138	4937	699176	142	6321	921287	146
30–34	2500	352011	141	4416	642758		5858	873976	149
35-39	1963	283649	144	3532	. 524662	149	4455	675562	152
40-44	1355	197839	146	2317	350266	151	2968	458396	154
45-49	733	108129	148	1365	209357	153	1661	259753	156
50-54	424	62846	148	713	109549	154		135225	159
55-59	206	30880	150	416	64443			70515	158
60-64	66	9808	149	114	17472	153		19698	159
65-69	24	3488	145	20	3082	154	20	3148	
70-74	1	159	159	6	925	154		302	- 151
80-84				1	155	155			• •
Total	12130			22057			28086		

TABLE II (Concluded) BUILD—MEN

1		5 Feet 8 Inches			5 Feet 9 Inches			5 Feet 10 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15–19	889	125476	141	689	99513	144	593	88182	149
20-24	5776	845190	146	5082	762598	150	4793	736661	154
25–29	8418	1261273	150	7341	1126350	153	7368	1163718	158
30-34	7809	1199871	154	6868	1083666	158	6895	1118468	162
35-39	6099	955875	157	5168	835857	162	5544	914899	165
40-44	4112	650951	158	3430	563150	164	3588	601233	168
45–49	2334	375353	161	1939	320545	165	2090	356962	171
50-54	1249	202488	162	1068	179156	168	1099	188962	172
55–59	619	100833	163	478	80218	168	522	89619	172
60-64	187	30597	164	162	27206	168	175	30234	173
65–69	46	7547	164	22	3605	164	48	8608	179
70–74	6	985	164	1	160	160	1	160	160
75–79							1	150	150
80-84							1	150	150
Total	37544			32248			32718		

		5 Feet 11 Inches			6 Feet		6 Feet 1 Inch			
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
15–19	351	53623	153	205	32332	158	65	10809	166	
20-24	3479	551048	158	2150	352670	164	722	121402	168	
25–29	5283	862218	163	3300	557168	169	1097	191900	175	
30–34	4912	826681	168	3096	538539	174	1037	187511	181	
35–39	3840	661984	172	2429	435457	179	791	147366	186	
40–44	2483	434998	175	1573	285524	182	528	98538	187	
45–49	1413	250313	177	901	165324	183	308	58426	190	
50-54	737	130880	178	572	104420	183	153	29433	192	
55–59	361	64032	177	253	47017	186	63	12032	191	
60-64	127	22592	178	86	15472	180	15	2763	184	
65–69	26	4549	175	20]	3753	188	4	749	187	
70-74	2	358	179							
Total	23014			14585			4783			

Δ		6 Feet 2 Inches			6 Feet 3 Inches		6 Feet 4 Inches			
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69	25 328 551 507 410 256 152 70 35 7	4271 57027 99503 94094 79077 49757 30205 13923 6511 1478 194	171 174 181 186 193 194 199 186 211	7 89 165 152 115 65 38 32 5	1194 15761 30664 29184 22687 13008 7597 6592 975	171 177 186 192 197 200 200 206 195	1 30 52 35 49 29 19 6 7	178 5691 10107 6958 9990 6130 3847 1287 1469 229	178 190 194 199 204 211 202 215 210 229	
Total	2342			669		1,0	229	• •	• •	

TABLE III
BUILD—MEN

GRADED AVERAGE WEIGHT

Age Group	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.
15–19	113	115	118	121	124	128	132	136	140
20-24	119	121	124	127	131	135	139	142	146
25–29	124	126	128	131	134	138	142	146	150
30–34	127	129	131	134	137	141	145	149	154
35-39	129	131	133	136	140	144	148	152	157
40-44	132	134	136	139	142	146	150	154	159
45–49	134	136	138	141	144	148	152	156	161
50-54	135	137	139	142	145	149	153	157	162

Age Group	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. II In.	6 Ft.	6 Ft. 1 In.	6 Ft. 2 In.	6 Ft. 3 In.	6 Ft. 4 In.	6 Ft. 5 In.
15–19	144	148	153	158	163	168	173	178	183
20-24	150	154	158	163	168	173	178	183	188
25–29	154	158	163	169	175	181	187	192	197
30-34	158	163	168	174	180	186	192	198	203
35–39	162	167	172	178	184	191	197	203	209
40–44	164	169	175	181	187	194	201	208	214
45-49	166	171	177	183	190	197	204	211	217
50 - 54	167	172	178	184	191	198	205	212	218

TABLE IV BUILD—MEN

GRADED AVERAGE WEIGHT

	l 1	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	6 Ft.	6 Ft.	6 Ft.	6 Ft.	6 Ft.	6 Ft.						
Age	5 Ft.	1 In.	2 In.	3 In.	4 In.	5 In.	6 In.	7 In.	8 In.	9 In.	10 In.	I1 In.		1 In.	2 In. 162	3 In. 167	4 In. 172	5 In. 177
15 16	107 109	109 111	112 114	115 117	118 120	122 124	126 128	130 132	134 136	138 140	142 144	147 149	152 154	157 159	164	169	174	179
17	111	113	116	119	122	126	130	134	138	142	146	151	156	161	166	171	176	181 183
18 19	113 115	115 117	118 120	121 123	124 126	128 130	132 134	136 138	140 142	144 146	148 150	153 155	158 160	163 165	168 170	173 175	178 180	185
19	113	11/	120	123	120	130	154	130	112		1					17.		100
20 21	117	119	122 123	125	128 130	132 134	136 138	$\begin{array}{c} 140 \\ 141 \end{array}$	144 145	148 149	152 153	156 157	161 162	166 167	171 172	176 177	181 182	186 187
21 22	118 119	120 121	123	126 127	131	134	139	142	146	150	154	158	163	168	173	178	183	188
23	120	122	125	128	132	136	140	143	147	151	155	159 160	164 165	169 171	175 177	180 182	185 187	190 192
24	121	123	126	129	133	137	141	144	148	152	156	100	103			!	ļ	
25	122	124	126	129	133	137	141	145	149 150	153 154	157 158	162 163	167 168	173 174	179 180	184 186	189 191	194 196
26 27	123 124	125 126	127 128	130 131	134 134	138 138	142 142	146 146	150	154	158	163	169	175	181	187	192	197
28	125	127	129	132	135	139	143	147	151	155	159	164	170	176	182	188	193 194	198 199
29	126	128	130	133	136	140	144	148	152	156	160	165	171	177	183	189	194	199
30	126	128	130	133	136	140	144	148	152	156	161	166	172 173	178 179	184 185	190 191	196 197	201 202
31 32	127 127	129 129	131 131	134 134	137 137	141 141	145 145	149 149	153 154	157 158	162 163	167 168	173	180	186	191	198	202
33	127	129	131	134	137	141	145	149	154	159	164	169	175	181	187	193	199	204
34	128	130	132	135	138	142	146	150	155	160	165	170	176	182	188	194	200	206
35	128	130	132	135	138	142	146	150	155	160	165	170	176	182	189	195	201	207
36 37	129 129	131 131	133 133	136 136	139 140	143 144	147 148	151 152	156 157	161 162	166 167	171 172	177 178	183 184	190 191	196 197	202	208 209
38	130	132	134	137	140	144	148	152	157	162	167	173	179	185	192	198	204	210
39	130	132	134	137	140	144	148	152	157	162	167	173	179	185	192	199	205	211
40	131	133	135	138	141	145	149	153	158	163	168	174	180	186	193	200	206	212
41 42	131 132	133 134	135 136	138 139	141 142	145 146	149 150	153 154	158 159	163 164	168 169	174 175	180 181	186 187	193 194	200 201	207 208	213 214
43	132	134	136	139	142	146	150	154	159	164	169	175	181	187	194	201	208	214
44	133	135	137	140	143	147	151	155	160	165	170	176	182	188	195	202	209	215
45	133	135	137	140	143	147	151	155	160	165	170	176	182	188	195	202	209	215
46 47	134 134	136 136	138 138	141 141	144 144	148 148	152 152	156 156	161 161	166 166	171 171	177 177	183 183	189 190	196 197	203 204	210 211	216 217
48	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
49	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
50	134	136	138	141	144	148	152	156	161	166	171	177	183	190	197	204	211	217
51 52	135 135	137 137	139 139	142 142	145 145	149 149	153 153	157 157	162 162	167 167	172 172	178 178	184 184	191 191	198 198	205 205	212	218
53	135	137	139	142	145	149	153	157	162	167	172	178	184	191	198	205	212 212	218 218
54 55 and up	135 135	137 137	139 139	142 142	145 145	149 149	153 153	158 158	163 163	168 168	173 173	178	184	191	198	205	212	219
Joana up	133	137	107	172	149	177	100	100	103	100	1/3	178	184	191	198	205	212	219

TABLE V BUILD—MEN

AGE GROUP 10-14

	4 Fee	t 9 Inches	4 Feet	ll Inches	5	Feet	5 Fe	et I Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 6 Inches	5 Fee	t 7 Inches
Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight												
68—72 78—82		 82	1	72	• •	••	•			•••						
8387		0.2	::	• • •			1	86		• •		• •				• •
93—97 108–112					1	96		• •	i	110			1	110		
113–117 123–127					• •			• •		123	1	114				• • •
153-157					···					··					1	155
Total	1	82	1 1	72	1	96	<u> 1</u>	86	2	233	1	114	1	110	1	155

AGE GROUP 15-19

							GE G	ROUP I	9-19							
	4 Fee	t 7 Inches	4 Fee	t 8 Inches	4 Fee	t 9 Inches	4 Fect	10 Inches	4 Feet	II Inches	5	Fect	5 Fe	et 1 Inch	5 Fee	t 2 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- be r	Aggregate Weight	Num- ber	Aggregate Weight								
73—77							2	150	<u> </u>		<u> </u>					
78—82	2	162			. 1	79	2	160							1	82
83—87	1	85	1	85	2	169	2	170		173	2	170	1	87		
88—92			1	88	1	92	1	91	1	89	6	539		269		
93—97			1	96	1	95			1	95	3	285	8	764	3	285
98-102									3	302	8	799	10	1006	5	505
103-107					1	104			1	105	3	313	6	629	5	522
108–112											5	552	11	1205	10	1105
113–117	1						1	115	1	115	2	228	7	804	8	924
118–122					1	122					4	479	2	240	12	1434
123–127											3	377	3	373	4	500
128-132											2	261	2	261	9	1168
133–137											2	269				
138–142	1	138									1	140			3	419
143–147			٠.	٠.							1	145				
148–152		٠.									1	150				
153–157			٠.												1	155
158–162			١						٠.		1	160			• •	
163–167	<u></u>		<u> </u>		<u> </u>		<u> </u>		<u> </u>				<u></u>		1	164
Total	4	385	3	269	7	661	8	686	9	879	44	4867	53	5638	62	7263

AGE GROUP 15-19—(Continued)

						AGE G	ROUP	15-19(Contin	iuea)						
	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches	5 Fee	6 Inches	5 Fee	t 7 Inches	5 Feet	8 Inches	5 Feet	t 9 Inches	5 Feet	10 Inches
Weight	Num ber	Aggregate Weight	Num- ber	Aggregate Weigh t	Num- her	Aggregate Weight	Num- be r	Aggregate Weight								
8892					1	90										
93—97	2	192													1	95
98-102	10	1000	7	702	3	301	1	101	• •							
103-107	18	1901	13	1368	7	743	1	105	1	105						
108–112	19	2094	24	2648	21	2321	13	1431	3	333	10	1108	_	558		• •
113–117	21	2414	34	3917	28	3222	32	3691	17	1967	2	226		113		
118-122	21	2513		6476	67	8046	70	8398	51	6112	32	3847	10		5	602
123-127	8	994	52	6496	69	8649	121	15129	103	12896	•	7774			10	
128-132	9	1160	37	4805	60	7779	108	14034	110	14261	105	13673		7673	33	1
133–137	8	1083	22	2976	46	6210	130	17543	157	21186			87	11757	54	1
138–142	6	838	11	1530		3909	98	13687	118		170	23787	136		90	1
143–147			7	1010	_	1590	52	7551	86		111	16091	90	1		
148–152	1	150		756		1651	36	5393	59			1				
153-157	1	154	2	311	4	620	16	2484	19		55	8514				
158-162			1	160	4	635	12	1913	18		38					
163-167	1	١			3	492	2	330	13	1				1	1	
168-172				• • •	1	168		• •	1	170						1
173-177					٠.		1	175	2	350						
178-182				• • •	1	180		• •		.::	2	360		716		1 -
183-187					٠٠		٠.	• •	1	187	3			370		1
188-192	1	• • •			· ·	• • •	l ::				1	190	<u>ا</u> ا	1 ::		192
193–197						• • •	1	195			}		1	196) 2	391
198-202			1	• •		• •		• •		::	1				-[-	200
218-222	<u></u>		<u> </u>	22155		15505			<u> </u>	218			<u> </u>		<u> </u>	
Total	124	14493	269	33155	365	46606	694	92160	760	103530	889	125476	689	99513	3 59	88182

BUILD-MEN

AGE GROUP 15-19—(Concluded)

	5 Feet	11 Inches	6	Feet	6 Fe	et 1 Inch	6 Fee	t 2 Inches	6 Fee	t 3 Inches	6 Fee	t 4 Inches
Weight	Num- ber	Aggregate Weight										
88-92	1	92		·			·					
113-117	2	234			l				l			
118-122	2	242										
123–127	2	250										
128-132	15	1951	1	132								
133–137	20	2691	1	135	٠.							
138-142	36	5039	16	2250	2	283						
143-147	42	6107	30	4362		729	1	144	1	145]	
148-152	69	10345	36	5393	6	903	2	302				
153-157	35	5434	21	3253		1237	1	155	1	155		
158-162	52	8318	33	5286	9	1439	4	639	1	158		
163–167	33	5447	28	4610	- 1	1485	5	826				[
168-172	13	2200		2204		1529	3	511				
173–177	11	1920		2102	3	520	2	350				
178-182	8	1440		1256	4	718	3	542	2	356	1	178
183–187	3	557		736		741	2	372]	
188-192	3	566			2	380			2	380		
193-197	2	389								[
198-202	2	401	2	400	1	200]					
203-207					1	205	1	205				
208-212	•	• - ,			1	212]
213-217		• •	1	213								
223-227							1	225				
228-232		<u> </u>			1	228						
Total	351	53623	205	32332	65	10809	25	4271	7	1194	1	178

AGE GROUP 20-24

Number N	ches	5 Feet 2 In	5 Fee	ıch	et 1 Inch	5 Fee	Feet	5	t 11 Inches	4 Feet	t 10 Inches	4 Fcet	t 9 Inches	4 Fce	
88—92 93—97 98—102 </td <td>egate l</td> <td></td> <td></td> <td>egate ght</td> <td>Aggregate Weight</td> <td></td> <td>Aggregate Weight</td> <td></td> <td>Aggregate Weight</td> <td>Num- ber</td> <td></td> <td></td> <td>Aggregate Weight</td> <td></td> <td>Weight</td>	egate l			egate ght	Aggregate Weight		Aggregate Weight		Aggregate Weight	Num- ber			Aggregate Weight		Weight
88—92 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>82</td><td>1</td><td></td><td></td><td></td></t<>											82	1			
93—97 1 96 1 95 </td <td>i i</td> <td></td> <td></td> <td></td> <td>i</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	i i				i	1									
103-107 <		il	il	96	96	1			l						
103-107 108-112 1 105 2 213 10 1049 6 630 6 113-117 <		2	2	- 1		[
108-112 <							105	1					• • • •		
113-117 <							443	4	220	2					
113-127 <						5	805	7							
128-137 1 132 1 133-137 1633 13 1628 30 3749 86 10740 163 20 133-137 1 132 1 132 1 132 1 133-137 1633 13 1628 30 3749 86 10740 163 20 138-142 1 1 1 1 1 1 1633 25 3247 78 10147 173 22 143-147 1		· I -				5	720		118	1			٠.		
133-137 138-142 134-147 132 143-147 138-142 148-152 138-142 153-157 158-162 168-167 158-162 168-172 132 132 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 132 133-137 133-137 133-137 133-137 133-137 133-137 133-137 133-137 133-137 133-137 143-137 133-137 153-157 133-137 154-152 133-137 155-152 133-137 156-162 133-137 156-162 133-137 156-163 133-137 156-164 133-137 156-165 133-137 156-167 133-137 156-167 133-137 156-168 133-137 156-169 1398 156-169 1398 156-169 1398 </td <td></td> <td></td> <td>30</td> <td></td> <td></td> <td>13</td> <td>1633</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			30			13	1633	13							
133-137			25	783	783	6	652					٠.	132	1	
130-142		1	16	670	670	5	271	2				• •			
143-147 148-152 <t< td=""><td></td><td>_ </td><td>10</td><td>696</td><td>696</td><td>5</td><td>1260</td><td>9</td><td></td><td></td><td></td><td></td><td>• • •</td><td></td><td></td></t<>		_	10	696	696	5	1260	9					• • •		
153-157 158-162 163-167 168-172			5	147	147	1	578						• •		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		6	6	448	448	3	1200						• •		
163-167 168-172		2	2	156	156	1	468	3			• •	• • •	• • •		
168-172 \ \(\text{1} \) \(\text{1}							160				• •	• • •	• • •		
	l i			332	332	2		3			• • •	• •	• •	• • •	
173–177	Į			172	172	1	170	1				• •	• •		
192 197		[٠.	• • •	• •	• • •		
100 100]						• • •	• • • •	• •	• • •	••	
103_107		1	1				,				• • •	• • •	• • •	' '	
1 195							195	1	<u> </u>						
Total 1 132 1 82 3 338 68 9155 58 7378 166 20780 416 52995 998 1308		166 20	166	378	7378	58	9155	68	338	3	821	1	1321	11	1 otal

AGE GROUP 20-24—(Continued)

						AGE G			Contin							
	5 Fce	t 5 Inches	5 Feet	t 6 Inches	5 Fee	t 7 Inches	5 Fee	t 8 Inches	5 Fee	t 9 Inches	5 Feet	10 Inches	5 Feet	11 Inches	<u> </u>	6 Feet
Weight	Num- ber	Aggrega te Weight	Num- ber	Aggregate Weight												
98-102									1	100	·				l	
103-107	6	632	1	105	i	106				100	::	• •	::	• •		
108-112	21	2325	11	1213	9	997	4	444	1	112		• • •			'i	110
113-117	75	8660	52	6001	34	3911	12	1391	2	233						
118-122	176	21139	163	19561	103	12390	58	6985	26	3126		601	2	240		243
123-127	303	37916	419	52444	353	44184	215	26930	94	11767	50	6266		1513		
128-132	341	44315	557	72470	560	72847	481	62583	248	32292	128	16655		5878		261
133-137	370	49963	607	81979	769	103898	714	96460	488	65979	323	43638	126	17035		3124
138-142	262	36642	587	82114	769	107558		143533	724	101351	538	75207	237	33200		11910
143-147	167	24208	383	55552	605	87748	833	120891	746	108223	627	90860	366	53131	134	19460
148-152	126	18866	316	47303	558	83574	863	129301	817	122414	786	117663	541	81089	257	38531
153–157	49	7583	173	26803	312	48354	537	83198	600	92947	582	90082	452	70100	268	41561
158-162	40	6395	111	17724	220	35141	377	60234	513	81997	573	91480	497	79478	312	49884
163–167	19	3126	64	10546	148	24388	234	38552	315	51964	414	68139	375	61807	272	44873
168–172	12	2032	28	4751	76	12906	166	28186	208	35278	284	48141	287	48714	236	40069
173-177	5	875	19	3314	41	7174	117	20453	108	18877	195	34045	195	34087	191	33415
178-182	4	724	15	2696	25	4496	51	9176	75	13493	112	20116	133	23907	131	23547
183–187	3	557	8	1482	14	2584	43	7949	38	7029	76	14026	75	13864	82	15164
188-192	3	569	4	764	11	2089	9	1708	28	5311	39	7391	54	10265	59	11204
193-197	1	194	4	778	4	781	16	3115	18	3513	15	2923	30	5847	27	5276
198-202			2	398	2	398	10	1996	17	3394		5188	24	4790	22	4406
203-207	• •		• •				3	615	5	1020	8	1640	5	1023	12	2455
208-212				• •	1	210	4	834	4	836	4	839	7	1469	17	3570
213-217			••	• •		• •	2	431	2	432	4	859	4	860	6	1294
218-222	• • •		• •	• •		• •	. :	227	1	221	1	218	5	1095	4	881
223-227	••	• •	• • •	• •		٠.		225	2	449		225	2	449	2	451
228-232	• •			225		• •		• •	• •	• •	2	459	٠.	707	• • •	• •
233-237 238-242	• • •	• •	1	235		••	• •			240		• •	3	707	.:	470
238-242 248-252		• •	• • •	• •	::	250	• •	• • •	1	240	• • •	• • •	1	242	2	478 25 0
258-262	• • •	• • •			1	250		• •		• •	• •	• •		258	1	230
	1003	266721	2525	400222	1616	655004	5776	045100	5002	762500	4702	726661	2470	 -	2150	252670
Total	1983	266721	35251	488233	4616	055984	5776	845190	50821	762598	4/93	736661	34/9	551048	2150	352670

AGE GROUP 20-24—(Concluded)

						HOD GI		20-24(00,1000	i de d')			
	6 Fe	et I Inch	6 Feet	2 Inches	6 Fee	t 3 Inches	6 Fee	t 4 Inches	6 Fee	t 5 Inches	6 Fee	t 6 Inches	Γ
Weight	Num- ber	Aggregate Weight											
128-132	1	132											
133-137	1	135	1	137									ı
138-142	19	2659	1	140						,			ı
143–147	30	4356	6	873	2	291							ı
148-152	60	9006	12	1801	4	604							
153-157	73	11330	19	2943	1	154	1	155			٠.		1
158-162	86	13750	36	5758	9	1437					١		1
163-167	97	16015	46	7593	4	657	2	330	1	167			
168-172	105	17824	50	8486	15	2543	5	853					
173-177	78	13642	42	7342	11	1924		525	1	175			
178-182	58	10424	29	5211	9	1612							ĺ
183-187	44	8135	33	6112	18	3329	5	927	2	370			ĺ
188–192	24	4560	17	3234	6	1142	2	378	1	190			۱
193-197	10	1945	14	2736	2	389	1	193	1	196			
198-202	11	2201	6	1199	4	798	1	198	1	200	1	198	l
203-207	9	1840	5	1029			1	205					ı
208-212	7	1465	2	418	1	210		• •					L
213-217	3	644	4	860	1	216							ı
218-222	3	658	1	220	1	220	1	220					
223-227	2	451									1	225	
228-232	1	230		458									ı
233-237			1	237	1	235	1	235					ı
238-242			1	240									ı
243-247				٠.			1	245					L
248-252							1	250		• •			ı
253-257				• •		• •	1	255		.:.			l
258-262	<u></u>		<u></u>										L
Total	722	121402	328	57027	89	15761	30	5691	7	1298	2	423	

$\begin{array}{c} TABLE~V~(\textit{Continued}\,)\\ BUILD-\!MEN \end{array}$

AGE GROUP 25-29

	4 Feet	5 Inches	4 Fee	t 9 Inches	4 Feet	10 Inches	4 Feet	11 Inches	5	Feet		et 1 Inch		t 2 Inches		t 3 Inches
Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight												
93-97											1	93		• • •		
98-102	1	98	1	100					1	. 100		• •	5			• •
103-107					1	103			3	316	3	312	3	314		530
108-112									5	551	9	998	12	1325		2545
113-117			1	115					3	346		462	20	2299	27	3106
118-122			1	118					1	120	8	962	31	3724	78	9346
123-127				·	1	123	1	125	6	752	20	2496	43	5392	85	10618
128-132							1	130	14	1816	4	516	33	4288	91	11823
133-137					i		. 1	135	9	1217	7	944	23	3107	79	10671
138-142							1	140	3	420	2	280		2229	54	7534
143-147			l		1	147			4	580	8	1162	8	1158	45	6518
148-152			l						7	1044	5	746	8	1205	21	3151
153-157									3	463	4	616	6	928	11	1705
158-162									1	162	1	160	4	640	5	797
163-167	l								2	330	3	495	3	495	3	495
168-172			l						2	338	1	170	2	338	5	852
173-177									3	525	2	348			3	52 4
178-182															2	359
183-187													2	370	1	185
188-192													1	190		
193–197													1	195	1	195
198-202													1	202		
203-207									1	207						
Total	1	98	3	333	3	373	4	530	68	9287	82	10760	222	28903	539	70954

AGE GROUP 25-29--(Continued)

						AGE G	ROUP	25–29––(Contin	ued)					_	
	5 Fee	t 4 Inches	5 Feet	5 Inches	5 Fee	t 6 Inches	5 Fee	7 Inches	5 Fee	t 8 Inches	5 Fee	t 9 Inches	5 Feet	10 Inches	5 Feet	11 Inches
Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight										
88-92	1	92														• • •
98-102					2	203										
103-107	5	528	3	317	2	209	1	104	2	210						
108-112	19	2104	24	2652	13	1436	5	556	2	220						
113-117	79	9088	69	7952	61	7047	31	3575	5	574	4	463	1	117	2	230
118-122	136	16330	191	22944	198	23752	131	15782	58	6993	21	2536	5	603	3	362
123-127	214	26801	307	38438	463	57975	347	43456	243	30449	102	12803	33	4146	13	1627
128-132	239	31058	401	52077	620	80590	636	82735	525	68298	293	38157	145	18872	40	5209
133-137	236	31870	390	52685	790	106701	851	114988	934	126251	637	86125	330	44631	130	17579
138–142	181	25305	368	51458	765	106906		140656		169684	899	125818	692	96869	294	41182
143-147	117	16949	237	34379	573	83131	828	120088		161196	935	135708	795	115318	439	63696
148–152	77	11545	179	26798	497	74447	784	117484		191694		161006	1128	168966	676	101386
153-157	40	6204	93	14404	276	42755	462	71608	759	117702	840	130168	816	126351	574	89007
158–162	40	6389	91	14549	248	39629	387	61851	728	116336	735	117547	938	149880	681	108897
163-167	21	3462	52	8584	146	24095	278	45849	503	82961	554	91317	697	114924	628	103585
168-172	10	1703	46	7811	91	15436	197	33434	356	60407	361	61275	516	87541	475	80625
173-177	5	875	18	3152	73	12765	125	21850	239	41806	265	46359	377	65870	332	58065
178-182	3	542	16	2878	53	9531	96	17248	169	30410	227	40822	308	55282	265	47625
183-187	2	369	15	2778	29	5364	65	12020	119	22008	133	24607	179	33114	220	40704
188-192	1	189	5	950	20	3800	37	7021	69	13112	96	18240	132	25069	169	32097
193-197	. ;]		3	584	7	1365	18	3510	43	8378	55	10715	80	15586	87	16976
198-202	1	202	2	397	6	1202	20	3998	31	6188	55	10990	90	17966	102	20382
203-207			• • •		2	410	4	820	9	1840	17	3484	34	6958	38	7781
208-212	••				1	209	5	1047	7	1470	16	3354	26	5457	47	9870
213-217 218-222				٠.	. :		· :	. : :	6	1294	10	2148	18	3873	18	3872
213-222		• •	• •		1	218	4	880	4	870	3	660	10	2196	16	3513
228-232	[]	• •	• •	• •				. : :	2	449	7	1570	7	1573	10	2244
233-237		• •	• •	• •		• •	1	229					8	1843	8	1834
238-242	• • •		• •	• • •	• •		•:		2	473			2	468	6	1408
243-247		• •	• •	• • •			1	238			2	478			3	718
243-247		• • •			• • •								1	245	4	980
253-257		• •	• •	٠.	• •		• •								1	248
253-257 258-262			• • •		• • •		· :								1	256
	1407	101665	2510				1	260							$ \bar{1} $	260
Total	1427	191605	2510	345787	4937	699176	6321	921287	8418	1261273	7341	1126350	7368	1163718	5283	
															,	002210

AGE GROUP 25-29—(Concluded)

		77						25-29(0								
Weight	Num-	Feet Aggregate	Num-	et 1 Inch	Num-	2 Inches Aggregate	Num-	Aggregate	Num-	t 4 Inches	6 Fee Num-	t 5 Inches		t 6 Inches		t 7 Inches
400	ber	Weight	ber	Aggregate Weight	ber	Weight	ber	Weight	ber	Aggregate Weight	ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
123-127	1	127			1	125				• • • • • • • • • • • • • • • • • • • •			·		·	
128-132	3	392	1	131										٠.	l	
133-137	31	4196	1	137												
138–142	94	13175	11	1541	1	140						٠.				
143-147	156	22668	37	5365	9	1307	1	145								
148-152	299	44863	50	7512	19	2865	3	450								
153-157	323	50078	76	11798	25	3879	9	1394	1	153					1	156
158–162	420	67123	105	16798	37	5929	4	640					2	316		
163-167	407	67019	143	23597	44	7261	10	1651	3	494						
168–172	391	66390	133	22589	55	9349	19	3229	2	341	2	337				
173-177	307	53729	132	23096	79	13843	17	2976	3	527			1	173		
178–182	240	43156	90	16168	77	13860	23	4140		896	1	180				
183–187	171	31642	90	16646		9620	15	2779	7	1295	2	370				
188-192	116	22043	57	10841	32	6079	11	2090	7	1323	1	190	1	190		
193-197	64	12492	40	7797	28	5474	8	1558	8	1559						
198-202	107	21367	37	7373	24	4788	10	2000	3	601	1	200				
203-207	37	7584	21	4297	8	1642	10	2051								
208-212	48	10069	19	3989	10	2108	7	1472	2	424	1	210			٠.	
213-217	25	5367	18	3869	14	3007	5	1073	2	429	1	215				
218-222	22	4826	11	2416	17	3730	1	220	2	442	1	218				
223-227	13	2927	11	2477	5	1126	6	1347	3	673	1	225	1	225		
228-232	10	2297	5	1153	4	920	2	460	1	230				• • •		
233-237	7	1647	1	235		235	2	469			• •	• • •		• • •		• •
238–242 243–247	3	720	2	480	5	1200	• •	• •	3	720		• •	••	• • •		• •
243-247 248-252	٠.;		1	245	';	250	.;	250			• •			• • •	• •	• •
240-252 253-257	2	500	2	500	1	250	1	250			• • •	• •			• •	• •
258-262	2 1	509	٠.	• •	3	766	• •	• •	• •			• •	• •	• •	• •	
268-272	1	262	٠.	• •	••	• • •		270	• •		• • •	• • •	٠.	• • •		• •
278-282	• •	• •	2	560		• •	1	270	• •	• •	• •	• • •	• •		• •	• •
288-292	• • •	• •	1	290		• •	• • •	• •	• •	• •	• •		٠.,		• • •	• •
	2200	F = 7 3 C O			~	00500	105	20664		10107	 -	0145				1.7.5
Total	3300	557168	1097	191900	551	99503	165	30664	52	10107	11	2145	5	904	1	156

AGE GROUP 30-34

	4 Feet	8 Inches	4 Feet	10 Inches	4 Feet	11 Inches	5	Feet	5 Fee	et I Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Feet	4 Inches
Weight	Num- ber	Aggregate Weight														
83-87							1	83							}	
98-102							2	200	2	200	2	203				
103-107					1	106			1	105	6	627	4	420	6	631
108–112							1	108		440	7	773		1869	29	3208
113–117							4	460		918	23	2638		4490	45	5206
118–122			1	122	1	118	4	482	8	956	36	4318		6604	99	11872
123-127	1	125					16	2002	12	1499	30	3743		9626	145	18132
128-132			1	132			9	1173	• 1	1161	39	5061	79	10245	199	25868
133–137					1	137	5	678		679		3774		9175	222	29976
138-142					1	138	8	1123		559		3206		7540	166	23182
143–147							6	869	1 1	435	14	2027	45	6523	120	17414
148-152							7	1054		598	14	2098		3888		11072
153–157							3	466		466	7	1084		2478	59	
158–162							4	640			6	964		2392	43	l
163–167							1	165		660	2	328		824		
168–172							2	340			2	339	5	846		3570
173–177							1	174	1	175	·		5	877	9	1571
178-182											2	3 58		181	13	1
183–187							1	185		183			2	372	8	
188–192							1	188		• •					2	
193–197								• •	1	197	1	195			2	1
198–202															1	200
208-212				• •									1	210		
223-227	· · · ·						1	225			<u> </u>		<u></u>	· · ·	<u> </u>	<u> </u>
Total	1	125	2	254	4	499	77	10615	70	9231	242	31736	514	68560	1287	176469

AGE GROUP 30-34—(Continued)

								30-34-(1.50					Feet
***		5 Inches		6 Inches		7 Inches		Aggregate	5 Fee Num-	t 9 Inches Aggregate	Num-	Aggregate	5 Feet Num-	11 Inches Aggregate	Num-	Aggregate
Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
98-102									1	100						• •
103-107	3	318													• •	
108-112	21	2324	18	1991	2	222	3	333						• • • • • • • • • • • • • • • • • • • •	• • •	• •
113-117	53	6110	35	4049	24	2775	10	1158	2	231						• •
118-122	124	14863	123	14770	100	12013	47	5659	13	1569	6	720	1	236	٠.	
123-127	277	34670		39070	255	32087	165	20681	82	10273	30		5	629	2	250
128-132	355	46146	484	62939	482	62861	363	47236	207	26949	101	13170		2735	1	130
133-137	351	47400	609	82296	688	93111	739	99921	442	59737	242	32752	87	11762	24	3249
138-142	327	45702	610	85108	790	110637	959	134127	681	95242	481	67326	202	28319	53	7426
143-147	254	36734	496	71960	697	101271	917	132993	712	103279	626	90720	284	41225		16244
148-152	241	36097	485	72640	723	106946	1044	156162	921	137989	870	130403	495			32573
153-157	136	21079	296	45917	507	78802	707	109608	709		724	112152	444	68882	238	36918
158-162	124	19839	266	42522	410	65719	754	120528	735	117495	805	128731	578	92411	325	51978
163-167	83		189	31168	320	52955	526	86738	579	95505	684	112824	550	l	4 - 1	58560
168-172	49	8309	153	25982	263	44850	441	74902	437	74206	510	86609	486	82501	341	57939
173–177	31	5429	110	19242	179	31308	348	60847	335	58575	437	76348	393	68765	286	50057
178-182	34	6111	98	17618	145	26076	237	42609	299	53740	399	71764	333	59872	241	43353
183–187	14	2590	43	7962	106	19614	178	32951	211	39053	310	57359	238	44034		36110
188–192	6	1141	37	7020		14060	139	26406	171	32473	206	39124	195	37053		30777
193–197	6	1168			40			14232	110	21469	133	25941	152	29646	121	23610
198–202	6	1203	21	4200		4395	83	16575	104	20781	141	28161	171	34138	135	26994
203-207			5	1027	16		25	5115	30	6152	54	11059		14155	65	13318
208-212	1	210			9		23	4827	40	8413	54	11329	• 1	16154	68	14273
213-217			1	216	•	857	7	1502	14	3007	32	6885	30	6450	43	9252
218-222	2			220	•	_ : :	13	2851	11	2417	24	5280	42	9217	41	9016
223-227	2	448		.::	1	225	1	225	10	2251	9	2023	25	5625	28	6291
228-232	1		2	458					5	1150	/	1613	11	2531	15	3451
233-237			1 .:		1	233		940	3	706	4	939	4	939	7	1648
238-242			2	481			2	47 8	2	480	3	720	9	2160	11	2639
243-247	1					• •	, · ·	• •	2	489		244	1	245 998	5	1224
248-252 253-257					• • •	• • •	• • •	• •	• •	• •	1	250	4	998	3	750 509
258-262						• • •	'''	• •	• • •	• •		260	3	778		309
263-267				· ·		• • •	1	267	• •	• •	1	200	1	265		• •
	2500	252011	4416	642750	F0F0	972076	7000		6060	1002666	6005	1110469			2006	520520
Total	2500	352011	4416	642758	12828					1083666	0895	1118468	4912	826681	3096	538539
						AGE GF	ROUP	30-34(6	onclu	ded)						

						AGE GR	OUP	30-34(6	onclu	ded)				
337 - 1 - 4 - 4	-	et 1 Inch		t 2 Inches		t 3 Inches		t 4 Inches		t 5 Inches		t 6 Inches		t 9 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
128-132	1	130										·		
133-137	3	405	١											
138–142	5	700	2	282							1	140		
143–147	14	2029	3	436										
148-152	56	8403	10	1498	1	150					1	152		
153–157	53	8227	18	2784					'					
158–162	67	10715	35	5595	5	804	1	160						
163-167	92	15186	56	9262	15	2475							1	
168-172	114	19360	42	7127	11	1868	1	168						
173–177	103	18024	52	9110	17	2980	5	876	1	175				
178–182	119	21409	41	7369	11	1976	2	358	1	180	1	180		
183–187	77	14251	42	7783	11	2036	3	557						
188-192	72	13665	33	6278	14	2654	4	762						
193-197	40	7786	30	5860	10	1950	2	390						ll
198-202	55	10982	36	7189	18	3591	4	801	1	200				
203-207 208-212	27	5522	17	3493	6	1227	• •							
213-217	44	9220	21	4412	9	1892	3	630	1	210]
213-217 218-222	28 16	6013	19	4083	2	429	3	647	1	214				
223-227	17	3512	17	3739	3	660	3	661	• •	• •				
228-232	10	3820 2299	11 7	2474	6	1349	1	225	2	450				}
233-237	9	2299	2	1610	4	918		• •	2	460				
238-242	4	962	4	470	2	470]
243-247	4	979	2	960 492	1	240	2	478		• .				
248-252	$\frac{1}{4}$	1000	3	749	3	735	1	245	٠.					
253-257	1	254	2	509	1	250	• • •	• •			1	250		• • •
258-262	_		1	260i	• •	• •			1	256				• •
263-267		• •	1	200	.:	5 20	٠.			• •		• •	اي. ا	526
268-272	1	269	i	270	2	530	• •	٠.					2	526
273-277	1	275		270	• • •	• • •			٠.		٠.	• •		• • •
283-287		270		• • •	• •	• •	• •		٠.	205	• •			• •
Total	1037	187511	507	94094	150	20104	<u></u>		1	285		722	$\frac{\cdot \cdot}{2}$	526
	2007	10/311	307	940941	152	29184	35	6958	11	2430	4	722		320
								4.4						

AGE GROUP 35~39

	4 E	4 A 7 1						ROUP 3	7-37							
Weight	Num-	t 9 Inches		10 Inches		11 Inches		Feet		et I Inch		t 2 Inches		t 3 Inches	5 Fee	t 4 Inches
	ber	Aggregate Weight	Num- ber	Aggregate Weight												
98-102	1	100			1	100	2	200	— Der	Weight	1		2			
103-107		b ~			1	103			3	216	[]	102	. ,	202		204
108-112			1	111	1 1	112		212	- 1	316	5	523	6	632		314
113-117				***	<u> </u>	112	6	604	4	444	6	665	11	1221		993
118-122	• •	<u>.</u>			1	120	_	694	1.	1100	11	1267	15	1726		3694
123-127		1	• •	• • •	1		6	722	10	1192	23	2759	36	4305		11259
128-132	• •				1	125	1	873	14	1746	25	3125	43	5380		14384
133–137	• •	j	• •		ا: ۱	_ ::	11	1427	12	1560	35	4561	59	7659		15195
138–137	• :	100	• •	• • •	1	135	6	815	9	1219	23	3108	63	8512		18848
	1	138			••		4	562	6	832	18	2511	39	5439		16743
143-147	• •	• •		• • •		,	6	867	4	578	11	1600	42	6084	111	16106
148-152							2	300	5	750	16	2391	37	5538	102	15275
153–157		• • •					3	463	1	155	10	1549	14	2174	75	11619
158–162		• •					3	478	2	322	7	1123	11	1759	39	6235
163–167		• •									4	659	7	1158	44	7265
168-172							2	340			2	340	5	845	15	2532
173-177									1	175			5	875	16	2803
178–182													2	358	12	2152
183–187							1	185			1	185	4	741	5	927
188192							1	188			2	380	1	190	4	758
193–197							ا ا								1	193
198-202							3	598							1	200
203-207					١ ا		1	206							1	206
208-212															1	210
Total		238	1	111	6	695	66	9130	71	9289	200	26848	402		1059	148115
		200		111	U	093	00	71301	/ 1	7203	200	20010	102	34790	1007	140113

AGE	GROUP	35-39-	(Continued)

	AGE GROUP 35-39—(Continued) 5 Feet 5 Inches 5 Feet 6 Inches 5 Feet 7 Inches 5 Feet 8 Inches 5 Feet 10 Inches 5 Feet 11 Inches 5 Feet 5 Inches 5 Feet 10 Inches 5 Feet 11 Inches 5 Feet 10 Inches 5 Feet 11 Inches 5 Feet															
Walaht						t 7 Inches	5 Fee	t 8 Inches	5 Fee	t 9 Inches	5 Fee	t 10 Inches	5 Feet	11 Inches	6	Feet
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102				• •			· · ·	•	1	100	· · ·		1	100	·	• • • • • • • • • • • • • • • • • • • •
103–107			1	106	1	106					٠.					
108–112	9	1001	2	224	2	222	2	220	1	110	1	111				
113–117	24	2768	33	3819	22	2546	4	4 60	2	231						
118–122	89	10671	92	11033	67	8058	33	3960	10	1207	4	482	2	242		
123-127	166	20741	176	22009	168	21038	94	11730	37	4647	20	2509	1	125	1	126
128–132	208	27008	289	37584	277	36038	239	31070	115	14968	78	10169	14	1828	3	395
133–137	283	38223	444	59978	474	64073	499	67365	259	35067	183	24774	67	9066	7	952
138–142	249	34827	456	63782	538	75289	615	86000	411	57516	331	46336	121	16937	28	3914
143–147	191	27702	369	53557	517	75013	641	92953	465	67445	435	62887	197	28596	65	9438
148–152	194	29067	395	59178	504	75550	726	108797	626	93806	634	95026	277	41515	139	20849
153–157	112	17380	278	43109	373	57789	563	87258	456	70701	524	81271	305	47313	154	23867
158–162	143	22845	253	40427	413	66031	596	95322	554	88582	584	93382	356	56974	221	35361
163–167	93	15342	228	37598	278	45836	496	81828	458	75545	503	82994	410	67665	217	35807
168–172	70	11887	160	27160	225	38190	401	68011	393	66748	474	80509	362	61483	221	37528
173-177	43	7510	119	20803	181	31680	333	58251	311	54402	404	70664	307	53700	208	36393
178–182	40	7201	94	16899	141	25348	270	48522	270	48532	328	58970	306	55016	199	35773
183–187	22	4076	60	11098	102	18878	164	30320	244	45176	267	49433	246	45510	168	31089
188–192	9	1709	37	7022	72	13677	131	24887	163	30942	208	39521	219	41627	166	31538
193–197	3	586	20	3900	36	7018	99	19306	119	23219	143	27906	174	33938	108	21061
198-202	10	1995	12	2396	29	5798	105	20965	116	23487	179	35759	167	33356	160	31986
203-207	• • •		6	1229	16	3281	32	6564	45	9222	67	13746	59	12091	70	14348
208-212	2	420	2	418	10	2090	28	5865	49	10270	76	15946	61	12796	92	19316
213-217	1	215	2	430	4	859	10	2147	31	6670	22	4729	59	12679	46	9897
218-222			2	438	1	220	9	1976	14	3078	44	9683	42	9236	44	9675
223-227	• •		1	225	1	224	4	898	7	1575	19	4273	33	7424	46	10347
228-232				• • •	1	230	1	230	4	915	4	918 937	26 11	5980 2589	22	5055
233-237	1	235		- : :	1	235	.:		4	941	4		7	1679	8 1 9	1877
238-242	1	240	1	240	· :1	` .::	2	480	1	240	4	957 737	3			4565
243-247		• • •	• •	• •	1	245	2	490	1	250	3	/3/	5	733 1248	5 8	1225
248-252	• •			• •	• • •	• • •	• •	• • •	1	250	• • •	• • •	اد	1240	- 1	2004
253-257	• •	• • •	• • •	• • •	• •	• • •	• • •	• •	• • •	• •	• •	• • •	1	258	1	253
258-262			• •	• •	• • •	• • •	• • •	• •	.:	265	• •	• • •	-		1	258
263–267	• • •		• •	• • •	- • •	• • •	• • •	• •	1	265	1	270		• • •	• • •	• •
268-272	• • •	• • •	• •	• • •	• • •	• • •	• •	• •		• • •	1	270	1	280	2	560
278-282	<u> </u>	:			• •			• • • • • • • • • • • • • • • • • • • •				014000				560
Total	1963	283649	3532	524662	4455	675562	6099	955875	5168	835857	5544	914899	3840	661984	2429	435457

AGE GROUP 35-39-(Concluded)

	- (-							35-39(1		(Fac	t 8 Inches
Weight	Num-	t 1 Inch Aggregate	Num-l	2 Inches	Num-	3 Inches		4 Inches		t 5 Inches	6 Fee	t 6 Inches Aggregate	Num-	t 7 Inches Aggregate	Num-	Aggregate
	ber l	Weight	ber	Aggregate Weight	ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	ber	Weight	ber	Weight	ber	Weight
123-127	1	127						· · ·								
128-132	2	263									١					
133-137	1	137	ا ا								l					
138-142	5	700	2	284	1	140										
143-147	9	1307	4	579					!				1	145		
148-152	13	1952	6	902	1	150										
153–157	36	5590	6	930	5	772										
158–162	43	6864	16	2561	2	319	2	322								
163-167	61	10066	27	4463	2	326	1	165	2	328						
168–172	89	15113	27	4584		1184	3	508	1	170						
173–177	79	13821	41	7175	13	2280	1	175	1	175						
178-182	50	8989	35	6298	4	718		722								
183-187	81	14993			18	3335	3	554		187						
188–192	61	11582	33	6271	4		9	1713			٠.					• •
193-197	39	7612		4093	_	974	4	777			1		1		1	195
198-202	37	7398	30	5999	7	1398	1	200								
203-207	23	4715			4		1	203	1	205						
208-212	35	7354			5		2	418								
213-217	23	4946	13	2799		1	2	431								
218-222	31	6814			8		2	437	1	218			١ ٠٠			• •
223-227	15	3375		3822			1	224		451	1	225				
228-232	23		_		5			690								• • •
233-237	8	1879			_		2	471		235						
238-242	10			1			2	478			٠٠					• • •
243-247	5						2	492		246)			
248-252	3					250		750								
253-257	2					255			٠٠.						1 .:	
258-262	2	520					1	260							1	260
263-267	l ·:	::	2	528			٠.							• • •		• • •
268-272	3	1		:::			٠.				ļ · ·					
273–277	1						_ · ·		<u>···</u>		<u> </u>	<u> </u>	<u> · · ·</u>		<u> </u>	
Total	791	147366	410	79077	115	22687	49	9990	11	2215	1	225	1	145	2	455

AGE GROUP 40-44

		9 Inches		10 Inches		11 Inches	5	Feet	5 Fe	et 1 Inch		t 2 Inches		t 3 Inches		4 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggrega te Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight_								
8892	1	90	·		1	90										
9397															1	95
98–102							1	100	1	102						
103-107					1	105					1	105			1	106
108-112							1	110		440		1448	3	330		1663
113–117					1	115		574		458		802	12	1382	12	1387
118–122				٠	1	120	3	358				848	16	1915		4899
123-127	1	123			٠٠.		4	500		371	17	2136		5125		9889
128-132							6	780		903			31	4023		9225
133–137		٠.					3	405		540				4196		13373
138-142			1	140			1	140		702				3216		13545
143–147					٠.		2	290		871			28	4053		10866
148-152							2	301	3	450			23	3448		10485
153–157	1	. : :					4	618		465		771	19	2942	41	6357
158-162	1	158					1	160			5	798		1118		6396
163–167									2	327				1160		3780
168–172									1	169	2	342		1524		4236
173-177		· · ·					1	175			1	175		522		
178–182						• • •	1	180	1	178	1	179		361	8	1440
183–187		٠٠									1	185	3	553	1	187
188–192												ļ			4	758
193-197		· · ·					٠٠.	· · ·	٠.						5	974
198–202		٠.						٠.			1	200	٠٠.		2	398
203-207		٠.			1				1		٠.				2	413
208-212	٠.								1	210	1			٠.		
218–222			<u> </u>	<u> </u>	<u> </u>		$\lfloor \rfloor^1$	220								
Total	3	371	1	140	4	430	35	4691	54	7264	138	18719	258	35868	732	103835

AGE GROUP 40-44-(Continued)

	5 Fee	t 5 Inches	5 Fee	t (Imaha:	E Tree		KOUP			<u> </u>	1					
Weight	Num-	Aggregate	Num-	Aggregate	Num-	t 7 Inches Aggregate	Num-	Aggregate	Num-	t 9 Inches Aggregate	5 Feet Num-	Aggregate	5 Feet Num-	II Inches		Feet
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102	1	102	1	102										• • • • • • • • • • • • • • • • • • • •		
108-112	12	1328	3	330	3	336									١	
113–117	10	1156	12	1385	8	926	8	920					1	115		
118-122	50	5993	51	6134	24	2881	25	3001	6	724	1	122				
123-127	99	12395	98	12260	85	10647	63	7897	38	4763	4	504	3	375		
128-132	136	17650	183	23802	155	20163	159	20687	55	7165	37	4820	10	1300		258
133–137	171	23117	235	31755	292	39469	258	34899	143	19338	101	13675	20	2709	5	679
138-142	174	24324	268	37464	337	47142	398	55655	255	35686	184	25759	61	8552	23	3221
143–147	137	19882	227	32934	310	44958	414	60080	285	41374	245	35538	118	17105	46	6682
148–152	129	19339	258	38657	335	50176	477	71467	377	56553	388	58158	156	23381	62	9295
153–157	94	14568	187	28995	262	40609	380	58961	296	45919	305	47318	161	24876	69	10697
158–162	106	16946	183	29256	268	42866	397	63494	322	51513	367	58682	253	40381	110	17602
163-167	74	12209	161	26554	189	31192	339	55938	290	47864	359	59159	230	37946	157	25820
168-172	57	9684	143	24288	178	30222	264	44841	268	45561	271	46022	212	36016	138	23431
173–177	39	6825	111	19421	151	26427	264	46200	219	38326	266	46467	218	38150	140	24484
178–182	24	4320	74	13306	119	21384	203	36486	217	39030	255	45840	208	37409	136	24464
183-187	19	3507	42	7764	86	15918	139	25728	166	30706	202	37372	189	34976	108	19994
188–192	9	1709	26	4934	55	10457	101	19179	131	24904	170	32335	128	24326	103	19567
193–197	6	1170	21	4090	35	6828	63	12288	105	20485	87	16958	98	19129	76	14839
198-202	7	1400	18	3602	36	7202	69	13778	113	22567	140	27983	128	25600	129	25784
203-207			6	1228	10	2046	26	5326	42	8608	45	9220	52	10656	46	9433
208-212			3	629	12	2518	34	7135	45	9435	48	10077	87	18254	63	13244
213-217	1	215	1	216	2	430	14	3009	23	4959	34	7312	40	8602	42	9037
218-222					9	1980	6	1312	16	3516	31	6810	46	10134	44	9682
223-227			2	450	2	451	2	450	8	1802	23	5171	27	6077	23	5178
228-232			1	230	2	458	1	230	5	1148	8	1838	12	2755	16	3674
233-237					2	470	3	705	2	472	5	1171	2	468	9	2119
238-242			2	480	1	240	2	480	2	477	7	1680	8	1918	14	3359
243-247			٠.								2	490	4	982	5	1221
248-252							1	252			3	752	7	1748	5	1250
253-257									1	255					2	510
258-262													1	260	• • •	
263-267							1	265	• • •		• •		2	528		
268-272					• • •		• •			• • •		• •	1	270		• •
288-292	<u></u>	<u> </u>	<u> </u>				1	288		• •	• •					
Total	1355	197839	2317	350266	2968	458396	4112	650951	3430	563150	3588	601233	2483	434998	1573	285524

AGE GROUP 40-44-(Concluded)

	4.7	4 2 4 1	/ D	2 Inches	6 Foot			4 Inches		5 Inches	6 Feet	6 Inches	6 Feet	7 Inches	6 Feet	8 Inches	6 Feet	II Inches
Weight				Aggregate	Num-L	Aggregate	Num-	Aggregate		Aggregate	Num-	Aggregate	Num-	Aggregate		Aggregate		Aggregate
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	_ber_	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
118-122					1	122	• • •	• • '		• •		• •	• •		••	• • •	• • •	• •
133-137	1	135)				• •	• •	• •	• •	• •	• • •	i ··	• •	• • •	• •
138-142	4	562	1	142						• • •	• •	• •	• •	• • •	٠٠.	• •	• •	• •
143-147	6	871	1	145			1	145		• • •		• •	• •		l ··	• •	• •	• •
148-152	16	2402	7	1053						• •		• •	• •	• • •	l ···	• •		• •
153–157	17	2640	4	621			• •		• • • •	• •	• •	•••	• •	•••	l 'i	160	• •	• •
158-162	25	4010	11	1755	2	318	1	160				• •	• •	٠٠.	1	100	.:	165
163-167	51	8419	11	1815	1	165				• •		• •	• •		٠٠.	• • •	,	165
168–172	42	7148	15	2549	4	683		340		• • •	l ··		• • •				٠٠.	• •
173–177	54	9417	19			526		175		• • •	٠.	100	٠.	• • •		• • •		• •
178–182		7552				722		181			1	180	٠.	• •			٠٠	• •
183–187	48	8884				1109	_	l .		185		• •	• •	• • •		• • •		• •
188-192		5130				1330				• •	l · ·		• •	• • •		• • •	٠٠	• •
193–197		4868				974	_	195			l ::		٠;	202	• •			• • •
198-202		7190			1	996	_	200			1	200	1	202		• • • • • • • • • • • • • • • • • • • •	• • •	• • •
203-207		4516				1230		207	1 ::		1	• • •	٠٠			• •		• • •
208-212		7784				208		210	•	210		• • •	٠٠		l	• •	l	
213-217						1077		215								• • •	• •	1
218-222							1	218					• • •	• • •		• • •		
223-227												• • •	٠٠	• • • • • • • • • • • • • • • • • • • •	٠٠.			• • • • • • • • • • • • • • • • • • • •
228-232		L								230				• • •	• •	• •		• • •
233-237				20-0				1		235		1		• • •			٠٠.	• •
238-242				958		240		240			٠٠	• • •		• •				• •
243-247			· ·	1468								• • •				• • • • • • • • • • • • • • • • • • • •	٠٠.	• •
248-252		1002	4 :		2	500) 3	750		248			٠٠			• • •	٠٠.	• •
253-257			:	255	γI ···						1	• • •	٠٠				• • •	
258-262		260	ሳ 😶	· · ·	· ··	• •					. ;		٠٠	• • •		• • •		• • • • • • • • • • • • • • • • • • • •
273-277			· · ·	• •	· ··		';	200	1		1	275			٠٠.	• • •		
278-282			· ··	• •	· ··			280			<u>:</u> ا	201		• • •		• • •		
283-287					<u> </u>	1.000		285	·]	- ::	1	284		<u> </u>			<u> </u>	1.5
Total	528	9853	3 256	6 49757	65	13008	3 29	6130	5	1108	4	939	1	202	1	160	1	165

AGE GROUP 45-49

	4 Feet	t 8 Inches	4 Feet	11 Inches	5	Feet	5 Fee	et I Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Feet	5 Inches
Weight	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
93—97										٠.	1	94				
98–102											1	102	1	98	1	102
103-107							1	104	2	210	1	105	1	105	2	210
108-112					2	222	2	220	2	220	3	334	5	551	4	441
113–117					1	116			4	458	4	465	10	1153	10	1156
118–122					1	122	5	599	7	844	10	1202	24	2879	23	2766
123–127			1	125			2	249	9	1126	21	2624		4631	53	6631
128–132	1	128	1	128	5	645	2	258	11	1432	16	2076	3 5	4554	69	8 9 68
133–137			1	135		272	7	949	16	2152	26	3518	52	7022	80	10802
138–142					2	280	3	423	4	560	17	2372			72	10071
143–147					3	435			5	728	23	3341	46			12182
148–152			1	149	2	298	2	298	4	595		3586			78	11684
153–157					1	153	2	310	5	773	8	1234	33			8669
158–162					١		1	160	1	160		1122				7500
163–167							2	328	3	495	1 6					7913
168–172					1	168		i	2	340		169				4408
173-177		٠		٠.	2	350	1	175	1	174		1229				5250
178–182								l	l		l i	180			21	3779
183–187							١	٠.	1	183	1	185				1663
188–192									1	192	_	382				1517
193-197						l				1	l		1	137	5	980
198–202		ļ		. .		l							'i	200	4	798
203-207				. .					::				2			
208–212				l	l	١			Ι		١				2	418
218-222	٠.				۱				Ι	• •	1		l	• • • • • • • • • • • • • • • • • • • •	1	221
Total	1	128	4	537				4073	78	10642	180	25309	427	61664	733	

AGE GROUP 45-49—(Continued)

		7.					ROUP	45-49	Contin	nued)						
Weight	5 Feet Num-	6 Inches Aggregate		t 7 Inches		t 8 Inches		t 9 Inches		10 Inches	5 Feet	Il Inches	6	Feet	6 Fe	et 1 Inch
	ber	Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102							$\overline{1}$	101								
113-117	7	801	5	577	2	231					l	• •	• • •	• •		• •
118-122	29	3481	23	2769	4	480	2	242	2	239	i	120	• •	• • • • • • • • • • • • • • • • • • • •	• • •	• •
123-127	56	7013	41	5125	43	5403	13	1634	6	754		120	• •	• •		• •
128-132	88	11458	88	11440	70	9112	30	3902	18	2347	9	1172	2	264	• • •	• •
133–137	122	16484	134	18129	126	17010	67	9077	42	5673	14	1896	1	135	• • •	• •
138-142	141	19710	170	23776	211	29562	132	18480	84	11765	31	4337	9	1261	2	278
143–147	140	20315	137	19868	198	28774	164	23806	137	19843	61	8846	21	3058	5	726
148152	167	25034	191	28621	255	38240	216	32389	195	29202	73	10961	38	5711	7	1053
153-157	103	15970	130	20144	194	30105	163	25268	142	21978	103	15990	40	6200	13	2019
158-162	101	16152	139	22226	230	36775	175	27992	188	30027	115	18401	49	7849	14	2235
163-167	103	16987	136	22440	189	31181	159	26233	194	31964	143	23591	85	14028	26	4294
168-172	85	14436	113	19216	154	26173	129	21903	166	28154	103	17514	77	13081	17	2884
173-177	60	10505	102	17844	188	32886	161	28182	174	30402	108	18898	83	14531	19	3327
178-182	52	9345	83	14936	126	22673	136	24454	146	26222	110	19788	78	14025	20	3593
183–187	37	6848	64	11845	121	22404	102	18884	132	24377	109	20188	62	11472	27	4987
188-192	26	4945	40	7600	81	15391	89	16934	116	21987	88	16740	45	8563	19	3619
193–197	14	2730	23	4494	42	8183	52	10149	76	14783	66	12858	54	10536	23	4486
198-202	13	2601	13	2588	48	9597	64	12789	106	21154	91	18186	68	13594	30	6002
203-207	6	1230	12	2451	11	2246	19	3894	38	7793	29	5944	33	6768	8	1640
208-212	5	1050	9	1883	16	3359	25	5250	36	7558	52	10902	51	10710	22	4630
213-217	4	859	3	645	9	1935	15	3223	23	4950	26	5583	27	5804	12	2579
218-222	1	220	3	656	5	1104	10	2194	23	5046	34	7457	28	6149	10	2201
223-227	2	450		• •	5	1126	4	894	19	4281	17	3830	18	4049	16	3601
228–232	1	230	1	230	3	690	2	458	7	1605	12	2765	12	2758	4	922
233-237			• • •		1	235	2	470	9	2115	6	1412	13	3054	6	1412
238-242	1	240		• •	2	478	3	720	5	1200	6	1441	4	956	5	1201
243-247		• • •	٠.			• •	1	247	• •	_ : :	2	490	• • •		3	737
248-252		• • •	1	250		• •	٠. ا	-:-	1	250	3	748	1	250	• • •	• •
253-257		• •	• •	• • •		• •	2	511	4	1023	1	255	. :		• • •	
258-262	.:	262	• •	• •		• •	::		• •		••	• • •	2	518	• • •	• •
263-267	1 1	263	• •	• •	• • •	• •		265		270	••	• •	• • •	• •	• • •	• •
268–272									1	270						
Total	1365	209357	1661	259753	2334	375353	1939	320545	2090	356962	1413	250313	901	165324	308	58426

AGE GROUP 45-49-(Concluded)

						AGE	GROU	P 45-49-	-(Concluded)
Weight		2 Inches		t 3 Inches		t 4 Inches		t 5 Inches	
weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	
138-142			1	141				•	
143-147	1	145							
148-152			1	150					
153–157	5	776	1	157					
158-162	5	794		160	1	160			
163–167	6	988	1	165	3	494			
168-172	4	679		169					
173-177	7	1226	3	524	3	525	1	175	
178–182	15	2699			1	180			
183-187	15	2776		372	1	185	1	184	
188-192	15	2854		1140			1	188	
193-197	4	778	1	195	1	195		• •	
198-202	9	1798		200		• •		• •	
203-207	11	2254	3	615			• •	.::	
208–212	13	2732		1052	• -	• •	1	212	
213-217	7	1504	2	430			• •	• •	
218-222	6	1318	3	660	3	662	• •	• • •	
223-227	9	2028		225	.:		• • •	• • •	
228-232	6	1378	2	460	1	230	• •	• •	
233-237	1	235	••	• • •	٠.	700	• • •	• • •	
238-242	7	1680	• • •	• • •	3	720	• •	• • •	
248-252	3	750	••	• •	2	496	• • •	• •	
253-257	2	510		F 177	• • •	• • •	• • •	• •	
258-262	• • •	• •	2	517	• • •	• • •	• •	• •	
263-267	• •	• • • •	1	265	• • •	• •	- :	268	
268-272	.:	202	• • •	• • •	• • •	• • •	1	208	
303-307		303					<u> </u>	1007	
Total	152	30205	38	7597	19	3847	5	1027	

AGE GROUP 50-53

	4 Feet	10 Inches	4 Feet	II Inches	5	Feet	5 Fe	t I Inch	5 Fee	t 2 Inches		t 3 Inches	5 Feet	t 4 Inches	5 Feet	5 Inches
Weight	Nıım- ber	Aggregate Weight	Num- ber	Aggregate Weight												
98–102											1	100				
103-107	١												1	107		
108-112							1	112			1	110	2	220	5	550
113117							1	115	1	115	3	347	5	575	4	464
118-122	1	120		119	1	118	2	239	4	480	9	1080	13	1562	16	1920
123-127					1	127	.		2	250	17	2129	10	1253	25	3133
128-132					١		3	390	4	516	13	1688	20	2593	28	3634
133-137					3	407			4	543	13	1761	15	2033	38	5136
138-142	1	140	1		1	138			5	700	14	1957	14	1963	48	6714
143-147	1						1	145	5	725	11	1594	30	4361	40	5807
148-152					1	152	l		6	901	11	1648	22	3303	46	688 3
153-157							1	153	1	155	6	928	15	2324	25	3886
158-162	1	161			١	l	1	159	3	481	6	964	9	1439	22	3524
163-167		1	1		l	١	l		3	495	2	328	8	1320	27	4459
168-172			ì	1	1	169	1	169	1	172	4	680	8	1358	19	3230
173-177		1	1	·	١	١	1	175	1	175	3	526	4	698	13	2268
178-182	1	l .		·	l			l	١	١	.		3	543		
183–187	1		1]	1			١		.		2	368	7	1298
188-192	1			·	l		١	ļ	١						3	567
193-197	1 .	i	1		l	١	i		٠.						3	587
198-202					١		١	·	٠.]	1	200	1	198	3	597
203-207	1,					٠.			ì			2	411
Total	3	3 42	[]	119	8	1111	12	1657	40	5708	115	16040	182	26218	380	56146

AGE GROUP 50-53—(Continued)

								50-53(_	<u> </u>						
Weight		6 Inches		7 Inches		8 Inches		t 9 Inches		10 Inches		II Inches		Feet		et I Inch
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight
98-102								· · · ·	1	100						
103-107	1	105														
108-112																
113117	3	346	1	115	2	230					1	115				
118–122	7	840	11	1324	1	118	3	358								
123-127	18	2248	15	1875	13	1631	6	747	4	499	2	252				
128–132	42	5461	30	3906	34	4432	15	1956	11	1430	4	521	1	130		
133–137	52	7026	45	6091	62	8389	34	4603	25	3381	4	542	3	406		
138-142	49	6870	76	10705	69	9651	41	5735	48	6718	16	2245	10	1401	1	140
143-147	66		66	9630	1	9710	67	9741	32	4641	28	4067	12	1740	1	145
148-152	69	10329	80	12113	136	20376	79	11868	91	13647	36	5396	21	3151	4	599
153-157	36		58	9012	92	14268	67	10390	70	10858	42	6511	27	4196	4	618
158–162	58	I	50	8003	95	15193	74	11840	71	11350	43	6874	30	4795	6	958
163–167	53		55	9067	88	14515	84	13860	88	14519	55	9080	36	5937	5	825
168-172	41	6971	68	11636	91	15451	70	11892	90	15180		7988	38	6444	13	2214
173–177 178–182	32	5593	48	8415	66	11555	67	11701	59	10320		9103	56	9796	11	1923
175–15 <i>2</i> 183–187	24	4322	42	7555	67	12062	58	10434	62	11144	48	8626	50	8997	10	1799
188–192	15		18	3336	53	9791	54		67	12402	60	11121	36	6661	10	1849
193–19 <i>2</i> 193–197	9 7			2095	34	6450	39		51	9690	51	9705	25	4753	11	2088
193-197	6		•			4884		1	36	7020	27	5267	19	3714	7	1364
203-207	0	1199	4	2795		5784			41	8185	39	7793	33	6592	6	1200
208-212		• • • • • • • • • • • • • • • • • • • •	3	616		617	10		21	4313	8	1638	21	4304	7	1433
213-217	i	216	3 3	631	11	2311	17		25	5241	27	5670	29	6096	4	842
218-222	1 1	220	1	647	2 7	429			13	2799		2578	11	2369	3	647
223-227	ĺ	224		225	2	1538			12	2638		2638	13	2860	6	1321
228-232	_		i -	223	$\begin{pmatrix} 2\\4 \end{pmatrix}$	450 919	_	225	5	1123		2246	-		3	675
233-237	i				4	919	1	232	4	918	_	917	8			
238-242	1	239				• •	1 :	400	1	235		1176			2	469
243-247							2				2	480	6	1438	6	1442
248-252			٠.	٠.	٠.	• •	1	243	2	490	1				1	245
263-267	l ::		::	''	1	265		• • •	1	250	1	248	1	250	2	498
273-277		::		• • •	1			• • •	٠.				٠.		٠.	
278-282				٠.		• •	• • •		٠:						1	275
Total	592	91260	714	112918	1054	171019	005	140010	<u> </u>	280			2		<u>L.</u> .	<u></u>
2002	072	71200	/ / 17	112910	11034	1/1019	885	148310	932	159371	636	112797	505	92324	130	24949

AGE GROUP 50-53—(Concluded)

	4.5					1102 0			Conti	· · · · · · · ·
Weight		2 Inches		t 3 Inches		t 4 Inches		t 5 Inches	6 Fee	t 6 Inches
	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
153-157	1	155								
158-162		100		222	• • • •	• •		• •	' '	• •
	٠.:		2	322		• • •	• •	• •	• •	• •
163–167	5	829		167			• •			
168–172	8	1358	2	33 8						
173–177	3	525	3	525	٠.				١	
178–182	3	542	1	180	1	178				
183–187	5	925	2	371						
188-192	1	190				l				
193-197	4			195			::] ::	
198-202	5			200			l	• •	Ì	
203-207	6			205	1	• • • • • • • • • • • • • • • • • • • •	٠.	• •		
208-212	3	633					٠.	• • •	• •	
213-217	3	l .	1	120	i		٠.	٠.	٠.	
218-222				1 446	1			• • •		
	3		_					• • •		
223-227	4	900		224			1	225		
228-232	1	230		١	١		l		l]
233-237	1	237	1	233		1	l	l		·
238-242	5							ļ	l	
243-247	ĭ	244				102	٠.	٠.	1 :	245
	1	244				• • •		• • •	1 1	245
248-252			2	499	ر: ا					
273–277			<u> </u>		11	275			<u> </u>	
Total	62	12280	27	5529	4	935	1	225	1	245
								•		

AGE GROUP 54-56

*** * 4 .	4 Feet	11 Inches	5	Feet	5 Fee	t 1 Inch			5 Fee	3 Inches	5 Feet	4 Inches		5 Inches	5 Feet	6 Inches		7 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregat e Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
103-107									$\overline{}$	107			1	105				
108-112					٠.				٠.		2	222			1	108		
113-117				1			2	231	2	232	8	917	2	230	1	116		
118-122					2	242	3	358	1	120	3	359	6	720	6	724	4	477
123-127	1	124	٠.	١	١	!	4	502	1	125		750	7	874	17	2125	3	375
128-132				.	1	131	3	390		652		910	9	1168	15	1948	15	1943
133-137					2	272	5	675		274		1483	11	1492	34	4593	21	2841
138-142					1	140		558		140		1116	23	3223	33	4615	28	3924
143–147					١		2	291	2	290		2474	13	1883	35	5074	50	7255
148–152	1						3	450		597	17	2547	12	1795	37	5547	40	6000
153–157			1	155			1	155		621	5	773	13	2019	28	4341	43	6664
158-162							1	162	3	477	9	1438	12	1923	26	4163	40	6397
163–167				٠					1	166		496	11	1819	23	3796	26	4300
168–172			٠.		٠.				1	170		339	14	2388	23	3913	30	5098
173–177			٠.						1	176		697	7	1226	24	4193	19	3324
178–182			٠.		٠.		1	181	2	360			6	1079	6	1080	21	3776
183–187									1	185	2	370	3	553	4	741	16	2956
188–192					٠٠				٠.	• •	• •	• •	1	188	3	568	/	1333
193–197	٠.		1	196					٠٠	• • •		200	٠.	200	3	585 800	3 11	587
198-202	ļ		٠.					• •		• • •	1	200	2	398	4	800	11	$\frac{2204}{411}$
203-207			٠.									• •		• •		• •	2	210
208-212			ļ					• •	٠٠			• • •	• • •	• •	.;	215	1	430
213-217			٠.		٠.		٠٠.		٠٠			• •		• •	1	218		430
218-222					٠.		• • •		٠٠			• •	••	• •	1	210	1	225
223-227			٠.					• •				• • •	••	• •	٠٠.	• • •	2	458
228-232												• •	• •	• •	٠٠.		1	243
243-247	<u> </u>						<u> </u>		<u> </u>		10		1.55			10166	200	
Total	1	124	2	351	6	785	29	3953	32	4692	105	15091	153	23083	325	49463	3 86	61431

AGE GROUP 54-56-(Concluded)

										-(Conciu		t 1 Inch	6 Feet	2 Inches	6 Feet	3 Inches	6 Feet	4 Inches
Weight		Inches				10 Inches Aggregate	Num-	Aggregate		Feet Aggregate		Aggregate		Aggregate		Aggregate	Num-	Aggregate
Weight	Num- 2	Aggregate Weight	ber	Aggregate Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
113-117	1	113							│ 			••			• •	• •	••	• •
118-122	ī	120	2	243						• •				• •		• •	l ··	• •
123-127	7	872	3	375			1	125	1	123							••	• •
128-132	13	1694	9	1174	3	393	2	262	2	258						• •		
133-137	22	2981	9	1216	6	810	3	404										
138-142	48	6705	27	3789	10	1398	13	1818	1	138	1	140						
		6090	21	3046	25	3629	22	3191	8	1162					l		1	145
143-147	42				32	4794	12	1796	5	750					١			
148-152	47	7039	34	5092		1	17	2639	3	463	4	618	3	465	1	155		
153–157	39	6052	29	4496	33	5115			17	2722	4	642		200	1.	160		
158–162	44	7034	42	6724	41	6560	23	3677			1	163	3	495	1	200	l i	• •
163–167	35	5769	35	5780	38	6271	22	3628	12	1975		1	2	340		• • •	';	170
168-172	44	7477	25	4249	32	5436	18	3060	17	2882	3	506		340		• •	_ ^	170
173–177	28	4889	30	5253	39	6829	29	5071	15	2623	3		٠.	260	٠.;	100		• •
178–182	41	7374	45	8093	31	5572	24	4318	17	3059	5	898	2	360	1	182	1 ::	105
183–187	26	4815	27	5005	26	4812	21	3891	19	3519	5	929	1	185		• •	1	185
188-192	20	3799	17	3221	31	5893	16	3041	18	3427	1	189	1	192	• • •	• •	••	• •
193-197	14	2726	9	1756	19	3708	12	2339	7	1366	2	390	1	193	• • •		••	• •
198-202	7	1399	16		19	3790	20	3997	14	2796	3	600	2	400	1	200	- :	
203-207	5	1028	4		6	1233	5	1024	6	1237	6	1235	1	205			1	207
208-212	2	422	5	1	8	1683	19	3989	12	2518	2	418	2	420				
213-217	3	643	4	ı	4	859	4	864	6	1288	5	1075	1	216				
218-222	4	880		ı	$\frac{1}{4}$	880	10	2201	7	1538	4	880	1	220	1	220		
223-227	2	452	5		14	3130	2	452	3	677	1	223	1	225				
228-232	-	102	4	921	3		1	230	3	690			ĺ	230				
233-237	i	235	1	721	l ĭ	237	5	1172	1	235	1	235					ا ا	
238-242	1 1	200		• • •	Ιî	240	2	479	3	720	1	240						
243-247	i	244	i	244	2	492	~	1.,,	1	245	1	245	1	245				
248-252	1 1	277		277	~		· :	248	3	748			1	249				• •
253-257	l · ·	• •	1	• • •	Ι	• • •	1	2.10		·	• •	• •	•	217	1	253	i	255
258–262	1	• •		• • •	٠٠.	• •		• •		• •	1	260		• •	•	200	_ ^	200
263-267		• •		• •	l			• •	';	264	1	200	• •	• •		• • •		• •
268-272		• •		• • •	٠:	270		• •	1	204		• •	• • •	• •	• •	• •		• •
273–277 273–277		• •	••	• • •	1	270	• •	• •		• •	• •	• •	• •	• •		275		• •
		<u> </u>		• • • • • • • • • • • • • • • • • • • •	<u> </u>		• •				- : :						<u></u>	•••
<u>Total</u>	497	80852	406	68369	429	74726	304	53916	202	37423	54	10413	24	4640	7	1445	5	962
							I	AGE GR	OUP	57-59								
	5	Feet	5 Fee	t 1 lnch	5 Feet	2 Inches	5 Feet	3 Inches	5 Feet	4 Inches	5 Feet	5 Inches	5 Feet	6 Inches	5 Feet	7 Inches	5 Feet	8 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weigbt	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weigbt	Num- ber	Aggregate Weight
108-112	Del	Weight	1	110	Der	Weight	2	218	1	110	1	112	Dei	weight	Dei	weight	Dei 1	110
113-117		٠.	1	110	1 ;	113	1	115	2	231	2	228	3	216	• • •	230	1	110
118-117		٠		• • •	1				2				- 1	346				
123-127		• • •	''	• • • • • • • • • • • • • • • • • • • •	l	• •	2	242	ı Zl		2			101	2		ار: ا	260
123-127 128-132		• • •						677	1	242	3	360	1	121	3	360	3	360
						121		627	4	500	2	252	8	1001	10	360 1258	4	498
133-137		• •			1	131	4	518	4 4	500 522	2 9	252 1161	8 7	1001 914	10 9	360 1258 1171	4 14	498 1819
138-142		• •			i 	131	4 3	518 406	4 4 7	500 522 944	2 9 13	252 1161 1756	8 7 23	1001 914 3108	10 9 8	360 1258 1171 1081	4 14 18	498 1819 2436
143–147							4 3 3	518 406 419	4 4 7 8	500 522 944 1117	2 9 13 12	252 1161 1756 1678	8 7 23 13	1001 914 3108 1818	10 9 8 18	360 1258 1171 1081 2515	4 14 18 17	498 1819 2436 2384
		145					4 3 3	518 406	4 7 8 6	500 522 944 1117 874	2 9 13 12 9	252 1161 1756 1678 1312	8 7 23 13 24	1001 914 3108 1818 3483	10 9 8 18 18	360 1258 1171 1081 2515 2608	4 14 18 17 24	498 1819 2436 2384 3484
148-152	1 	145 	 1				3 3 1	518 406 419 145	4 7 8 6 8	500 522 944 1117 874 1196	2 9 13 12 9 7	252 1161 1756 1678 1312 1050	8 7 23 13 24 21	1001 914 3108 1818 3483 3154	10 9 8 18 18 25	360 1258 1171 1081 2515 2608 3748	4 14 18 17 24 31	498 1819 2436 2384 3484 4643
148–152 153–157	1 1		 1	145	2	290 	3 3 1 	518 406 419 145	4 7 8 6 8 4	500 522 944 1117 874 1196 622	2 9 13 12 9 7 10	252 1161 1756 1678 1312 1050 1552	8 7 23 13 24 21	1001 914 3108 1818 3483 3154 2947	10 9 8 18 18 25 22	360 1258 1171 1081 2515 2608 3748 3403	4 14 18 17 24 31 23	498 1819 2436 2384 3484 4643 3564
148–152 153–157 158–162	1 1	145 	1 1	145	2	290 320	3 3 1 2	518 406 419 145	4 7 8 6 8	500 522 944 1117 874 1196	2 9 13 12 9 7 10 4	252 1161 1756 1678 1312 1050 1552 642	8 7 23 13 24 21 19	1001 914 3108 1818 3483 3154 2947 2395	10 9 8 18 18 25 22 13	360 1258 1171 1081 2515 2608 3748 3403 2082	4 14 18 17 24 31 23 35	498 1819 2436 2384 3484 4643 3564 5604
148–152 153–157 158–162 163–167	1 1	145 154	1 	145 	2	290 320 167	3 3 1 2 2	518 406 419 145 310 319	4 7 8 6 8 4 1	500 522 944 1117 874 1196 622 160	2 9 13 12 9 7 10 4 8	252 1161 1756 1678 1312 1050 1552 642 1315	8 7 23 13 24 21 19 15	1001 914 3108 1818 3483 3154 2947 2395 1481	10 9 8 18 18 25 22 13 12	360 1258 1171 1081 2515 2608 3748 3403 2082 1984	4 14 18 17 24 31 23 35 31	498 1819 2436 2384 3484 4643 3564 5604 5118
148-152 153-157 158-162 163-167 168-172	1 1	145 154	1 	145 	2	290 320	3 3 1 2 2	518 406 419 145	4 7 8 6 8 4 1	500 522 944 1117 874 1196 622 160	2 9 13 12 9 7 10 4 8 3	252 1161 1756 1678 1312 1050 1552 642 1315 510	8 7 23 13 24 21 19 15 9	1001 914 3108 1818 3483 3154 2947 2395 1481 3229	10 9 8 18 18 25 22 13	360 1258 1171 1081 2515 2608 3748 3403 2082	4 14 18 17 24 31 23 35 31	498 1819 2436 2384 3484 4643 3564 5604 5118 3568
148-152 153-157 158-162 163-167 168-172 173-177	1	145 154	1 	145 	2	290 320 167	3 3 1 2 2	518 406 419 145 310 319	4 7 8 6 8 4 1 2	500 522 944 1117 874 1196 622 160 170 348	2 9 13 12 9 7 10 4 8 3 4	252 1161 1756 1678 1312 1050 1552 642 1315 510 697	8 7 23 13 24 21 19 15 9 19	1001 914 3108 1818 3483 3154 2947 2395 1481	10 9 8 18 18 25 22 13 12	360 1258 1171 1081 2515 2608 3748 3403 2082 1984	4 14 18 17 24 31 23 35 31	498 1819 2436 2384 3484 4643 3564 5604 5118
148-152 153-157 158-162 163-167 168-172 173-177 178-182	1	145 154 	1	145 	 2 2 1 1	290 320 167 168	3 3 1 2 2	518 406 419 145 310 319	4 7 8 6 8 4 1	500 522 944 1117 874 1196 622 160	2 9 13 12 9 7 10 4 8 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697	8 7 23 13 24 21 19 15 9 19	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625	10 9 8 18 18 25 22 13 12 8	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360	4 14 18 17 24 31 23 35 31 21	498 1819 2436 2384 3484 4643 3564 5604 5118 3568
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187	1	145 154 	1	145 	2 2 2 1 1	290 320 167 168	3 3 1 2 2 	518 406 419 145 310 319 	4 7 8 6 8 4 1 2	500 522 944 1117 874 1196 622 160 170 348	2 9 13 12 9 7 10 4 8 3 4 4	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185	8 7 23 13 24 21 19 15 9 19	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795	10 9 8 18 18 25 22 13 12 8 16 13	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801	4 14 18 17 24 31 23 35 31 21 14 25	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187	1	145 154 	1	145 	2 2 2 1 1	290 320 167 168 	44 33 31 22 2	518 406 419 145 310 319 	4 7 8 6 8 4 1 2	500 522 944 1117 874 1196 622 160 170 348 178	2 9 13 12 9 7 10 4 8 3 4 4	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185	8 7 23 13 24 21 19 15 9 15 10	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658	10 9 8 18 18 25 22 13 12 8 16 13	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668	4 14 18 17 24 31 23 35 31 21 14 25 17	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192	1	145 154 	1	145	2 2 1 1	290 320 167 168 	44 3 3 1 2 2 1	518 406 419 145 310 319 	4 7 8 6 8 4 1 2	500 522 944 1117 874 1196 622 160 170 348 178	2 9 13 12 9 7 10 4 8 3 4 4	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378	8 7 23 13 24 21 19 15 9 19 15 10 9	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950	10 9 8 18 18 25 22 13 12 8 16 13 9	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949	4 14 18 17 24 31 23 35 31 21 14 25 17	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197		145 154 	1	145	2 2 1 1	320 167 168	44 33 31 2 2 	518 406 419 145 310 319 	4 4 7 8 6 8 4 1 	500 522 944 1117 874 1196 622 160 170 348 178	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 19 15 10 9	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780	10 9 8 18 18 25 22 13 12 8 16 13 9 5	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207		145 154 	1	145	2 2 1 1	320 167 168 	44 33 31 2 2 	518 406 419 145 310 319 	4 4 7 8 6 8 4 1 	500 522 944 1117 874 1196 622 160 170 348 178	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 19 15 10 9 5 4	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401	10 9 8 18 18 25 22 13 12 8 16 13 9	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212		145 154 	11	145	2 2 1 1 	290 320 167 168 	33 31 22 2 1	518 406 419 145 310 319 	4 7 8 6 8 4 1 	500 522 944 1117 874 1196 622 160 170 348 178	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204	10 9 8 18 18 25 22 13 12 8 16 13 9 5	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212 213-217		145 154 	11	145	2 2 1 1 1 	290 320 167 168 	3 3 1 2 2 	518 406 419 145 310 319 	4 7 8 6 8 4 1 1 2	500 522 944 1117 874 1196 622 160 170 348 178 	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4 2 1	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204	10 9 8 18 25 22 13 12 8 16 13 9 5 4 21	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205 208	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205 210
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212 213-217 218-222		145 154 	1	145	2 2 1 1 1 	290 320 167 168 	33 31 2 22 	518 406 419 145 310 319 170	4 4 7 8 6 8 4 1 	500 522 944 1117 874 1196 622 160 170 348 178 	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4 2	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204 419	10 9 8 18 18 25 22 13 12 8 16 13 9 5 4 21	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205 208	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9 1	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205 210 645
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212 213-217		145 154 	1	145	2 2 1 1 1 	290 320 167 168 	1	518 406 419 145 310 319 170	4 4 7 8 6 8 4 1 1 2	500 522 944 1117 874 1196 622 160 170 348 178 	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4 2 1	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204 419	10 9 8 18 18 25 22 13 12 8 16 13 9 5 4 2 1	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205 208	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9 1	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205 210 645 436
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212 213-217		145 154 	1	145	2 2 1 1 1 	290 320 167 168 	33 31 2 22 	518 406 419 145 310 319 170	4 4 7 8 6 8 4 1 	500 522 944 1117 874 1196 622 160 170 348 178 	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4 2	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204 419	10 9 8 18 18 25 22 13 12 8 16 13 9 5 4 2 1	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205 208	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9 1 1 3 2 2	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205 210 645
148-152 153-157 158-162 163-167 168-172 173-177 178-182 183-187 188-192 193-197 198-202 203-207 208-212 213-217 218-222		145			2 1 1 1 	290 320 167 168 	1	518 406 419 145 310 319 170	4 4 7 8 6 8 4 1 1 2	500 522 944 1117 874 1196 622 160 170 348 178 	2 9 13 12 9 7 10 4 8 3 4 4 1 2 3	252 1161 1756 1678 1312 1050 1552 642 1315 510 697 726 185 378 583	8 7 23 13 24 21 19 15 9 15 10 9 5 4 2	1001 914 3108 1818 3483 3154 2947 2395 1481 3229 2625 1795 1658 950 780 401 204 419	10 9 8 18 18 25 22 13 12 8 16 13 9 5 4 2 1 1	360 1258 1171 1081 2515 2608 3748 3403 2082 1984 1360 2801 2337 1668 949 785 398 205 208	4 14 18 17 24 31 23 35 31 21 14 25 17 15 6 9 1 1 3 2	498 1819 2436 2384 3484 4643 3564 5604 5118 3568 2450 4499 3149 2852 1167 1799 205 210 645 436

AGE GROUP 57-59—(Concluded)

	5 Rees	9 Inches	5 Foot	10 Inches	5 Foot	11 Inches		Feet			l (n		1 / 5			
Weight	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	et I Inch	Num-	t 2 Inches		t 3 Inches		t 4 Inches
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Aggregate Weight	ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
123-127	2	250					• •							• • •		
128–132	6	777	4	523	1	130										• •
133–137	13	1757	9	1223	3	403					``					
138-142	10	1402	13	1816	4	560	1	140			::	• •				• •
143–147	18	2616	8	1161	8	1159		580	1	147	l i	146		• •		• •
148-152	27	4046	20	3001	10			448			1					• •
153-157	11	1704	21	3259		1243	7	1089	3	467	l i	155			• •	• •
158–162	28	4480	16				9	1438	1	160	2	321				
163-167	22	3629	24	3954			7	1153	1	165	1 1	165				• •
168-172	21	3567	14				9	1525	3	512				• •		• •
173-177	19	3318	31	5423		1922	7	1228	4	702	i	175				• •
178-182	15	2698	29	5215		1982	13	2335	1	179	3	542				
183-187	11	2035	17	3147	14		3	557	3	554		553				
188-192	18	3425	15				11	2095	1	190		380		•	i	192
193-197	7	1365	9	1753	1		9	1756	1	197			1	195	ī	195
198-202	12	2395	13	2601	17		13	2595	4	800	1	200	2	398		
203-207	2	410	4	819			4	822	1	206						
208-212	2	420	5	1050	9	1888	7	1470	1	210		422				
213-217	5	1072	3	645	2		4	865	1	213		215			1	216
218-222	4	878	3	660	1	222	4	878	1	220						
223-227	2	451	1	225	3	676	1	226	1	225						
228-232	I			١	١				1	230						
233-237			1	235	١				2	470						
238-242					1	240	1	240			1	240				
248-252					1	250		250								
253257									1	256					1	256
Total	255	42695	260	44484	158	28199	118	21690	32	6103	19	3514	3	593	4	859

AGE GROUP 60-62

	4 Feet	11 Inches	5	Feet	5 Fee	t 1 Inch	5 Feet	2 Inches	5 Feet	3 Inches	5 Feet	4 Inches	5 Feet	5 Inches	5 Feet	6 Inches	5 Feet	7 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weigbt	Num- ber	Aggregate Weight										
103-107								•••				•••					1	106
108-112				'									2	220	1	110		
113-117					۱				2	230					1	115		
118-122				• • •	1	120					5	599			1	120		
123-127		• • •					2	250	1	125		125	2	250		503	1	125
128–132						• •		• •	3	390	4	522	5	648		1035	1	130
133-137	1	135	• :	. ; ;	• • •	• •	٠.	• •		120	5	675	5	675		675	8	1081
138–142		• •	1	141	• •	• •	٠.	200	Ţ	138		558	10	1401	9 8	1264	6	842
143-147	• • •	• •	• •	150	• •	• • •	2	289	2	288 300		286 448		1307 896	1	1162 600	10 11	1449 1649
148–152		• •	1	150		155	1	151		300	ا	440	1	155	1 1	1709	11	1704
153-157 158-162	• • •	• •	Ţ	155	Ţ	155	• •	• • •	• •	• •	2	320	2	319		2243	13	2080
163-167	٠٠.	• • •	• •	• •	• •	• •	• • •	• •	• •	• •		320	2	329	5	828	7	1159
168-172	٠	• •	• •	• •	٠.,	• •			1	170	2	336		675	4	684	2	341
173-177		• • •	• •		• •	• • •					1	175	2	351	8	1401	7	1230
178-182													2	360	3	538	4	722
183–187													2	371	1	187	2	372
188-192									٠.,		1	191			1	190	2	383
193-197													1	195			3	586
198-202							1	198			1	200		٠.	2	400		
203-207									• -				٠.		• • •	• •	1	205
233-237			<u>.</u>		<u></u>				• •								1	236
Total	1	135	3	446	2	275	6	888	12	1641	31	4435	55	8152	90	13764	91	14400

AGE GROUP 60-62-(Concluded)

	5 Foot	8 Inches	5 Foot	9 Inches	5 Feet	10 Inches	5 Feet	11 Inches	6	Feet	6 Fee	t I Inch	6 Feet	2 Inches	6 Feet	4 Inches	6 Feet	5 Inches
Weight		0 2 1 1 1 1				Aggregate				Aggregate		Aggregate		Aggregate		Aggregate		Aggregate
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight_	ber	Weight
118-122	1	120	1	122										• •			• •	• •
123-127	3	375	2	250					1	125				• •				• •
128-132	2	262	3	390	1	130						• • •		• •		• •		• •
133-137	13	1752	1	136	6	814	1	137	1	136							• • •	
138-142	10	1399	7	982	8	1120	3	422	3	419								
143-147	12	1742	6	871	8	1159	2	290	2	292								
148-152	15	2249	11	1651	12	1800	7	1052	3	446								
153-157	13	2014	7	1084	3	466	7	1086	4	620							٠.	
158-162	11	1755	9	1443	9	1437	10	1602	5	796	1	159		• •			٠.	
163-167	9	1484	13	2140	17	2798	6	986	5	825	3	495						
168-172	13	2204	7	1190	6	1016	8	1357	3	510								
173–177	11	1923	12	2107	7	1225	5	877	5	877	1	177						• •
178–182	8	1432	6	1078	11	1977	3	542	5	895	1	178						
183-187	5	926	7	1294	12	2221	3	555	7	1297	1	187				• •		
188-192	5	947	8	1518	9	1710	8	1514	3	570			2	380				
193–197	7	1364	10	1952	8	1561	8	1565	2	390	2	391						
198-202	7	1399	5	1000	9	1797	6	1199	9	1800	1	198	2	403				
203-207	3	615	1	206	4	820	1	207									٠.	
208-212	2	420			4	842	4	839	3	630								
213-217	1	215		430	7	1508	2	429	2	428								
218-222	1	220					3	658	2	440	1	220	1	220				
223-227			1	225					2	450								
228-232															1	229	1	228
248-252									1	250			1	250			1	250
253-257							1	255					<u> </u>					
Total	152	24817	119	20069	141	24401	88	15572	68	12196	11	2005	6	1253	1	229	2	478

AGE GROUP 63-65

		t 2 Inches		t 3 Inches	5 Fee	t 4 Inches		t 5 Inches	5 Fee	t 6 Inches	5 Fee	t 7 Inches	5 Fee	t 8 Inches	5 Fee	t 9 Inches
Weight	Num- ber	Aggregate Weight														
103-107					1	107			·					• • •		
108-112			1	112			1	112					l		l	
113–117	1	116			1	116	1	117			l		l		l	
118–122									1	120			l		l	
123–127	1	125			1	125	4	502			l				1	125
128-132					3	389	3	389	2	261	l		3	390	3	388
133–137	1	135			4	540	2	269			7	947	3	408	1	135
138-142	2	280			1	140	1	140	6	837	3	422	5	699	6	840
143–147			1	145	2	292	5	725		290	4	580	4	579	3	438
148–152					1	149	1	148	5	750	3	450		1052	2	299
153–157							2	310	2	310	3	467	4	621	3	465
158–162					1	160	1	161	1	162	2	324	3	476	6	961
163–167				١	2	329	3	493	5	825	6	993		826	5	825
168–172				٠.	1	172	1	170	4	676	3	506	5	846	4	678
173–177				٠.	1	175			1	175	1	175	2	352		351
178–182				٠.	٠.						1	180		362		546
183-187			٠.	٠.					2	371	1	186		1108		1293
188–192					٠.						2	379	1	190		568
193–197					٠.				1	193			1	195	li	195
198-202		٠.					2	398			3	600	1	202	_	200
203-207							١	٠.			1	205			l î	203
208-212			٠.								۱		1	210	ĺi	210
213-217			٠.	٠.									Ιī	215		216
228-232			• • •				٠.				l		$\bar{1}$	230		210
233–237			<u> </u>		<u> </u>				١				ĺi	235	1	
Total	5	656	2	257	19	2694	27	3934	32			6414	56			8936

AGE GROUP 63-65-(Concluded)

								03-03(
Weight		10 Inches	5 Fcet	11 Inches		Feet		et 1 Inch	6 Fee	t 2 Inches	6 Fee	t 3 Inches
	Num- ber	Aggregate Weight										
133-137	3	408			1	135					<u> </u>	
138–142	3	420		140			l'					`.`
143–147	2	289	2	292		288						
148–152	2	302	1	150								
153–157	2	312	3			155						
158–162	5	798	1	160		160		162				
163–167	6	994	10	1652	1	164]		
168–172	3	508	5	846	1	169		168				
173–177	5			350		527						
178–182	3	544				361						
183-187	3	553	3			370						}
188–192	6											
193-197	2	390		195							``	
198-202	3	599	4	1		١	1 1	202			1 1	198
203-207	l	l	2						ł			
208-212	1	210						1				
213-217	1	215		1	. .		1					``
218-222	1	220		220		221		i	1			
223-227	I		1						l 1	225		
228-232			1	l .	1	230		1				
233-237	Ι		1 1	237	1	235		l .	1	l		
238-242			1	240		240		1				
Total	51	-1	50	8962	26				·1——			198

AGE GROUP 66-68

	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches		t 6 Inches	5 Fee	t 7 Inches		t 8 Inches		t 9 Inches		10 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- bei	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
113-117				<u>-</u>	1	115										
123-127	1	126														
128-132			1	130			1	130					2	258		
133-137	1	135	1	136			1	135							1	133
138–142					1	140	1	138			2	280	1	140	1	142
143–147					1	145	1	146	2	291					3	435
148-152	1	150	1	150					2	300	4	600		150	3	450
153-157	l				1	155			4	621	2	308	1	312		
158-162	1	160			1	160	3	483			2	318				
163-167					3	495	1	165		167	2	332	1	166	2	328
168-172							1	170			3	507			1	170
173-177											3	525				
178–182									1	180	3	537	1	180	4	722
183–187										• •	1	187			2	371
188–192											1	192		190	2	380
193–197			1	196							1	195			٠. ا	
198–202													1	200		400
203-207							٠٠.			• •		• •	٠.	210	3	615
208-212										• •			1	210		
218-222			٠.							• •	• •	• •				220
228-232				<u></u>	<u> </u>		<u></u>		<u></u>		<u> </u>		<u> </u>		I	231
Total	4	571	4	612	8	1210	9	1367	10	1559	24	3981	11	1806	26	4597

TABLE V (Concluded) BUILD—MEN

AGE GROUP 66-68 (Concluded)

	5 Feet	11 Inches	6	Feet		et I Inch
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
133-137	1	136				
138-142	1	140				
148-152	1	149				• •
158-162	1	160				
163-167	1	165			1	165
168-172	1	168	1	170		
173-177			1	175		
178–182	3	540	1	180		
183–187	1	185	3	553		
188-192	2	380				
193–197	1	195				
198-202			1	200		
203-207			1	205		
208-212			1	208	2	416
213–217	1	214			<u></u>	
Total	14	2432	9	1691	3	581

AGE	CR	OHP	60_70
AGL	OIL.	OUL	07-10

	5 Feet	5 Inches	5 Feet	6 Inches	5 Feet	7 Inches	5 Feet	8 Inches	5 Feet	9 Inches	5 Feet	10 Inches	5 Feet	11 Inches	6	Feet		2 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weigbt														
128-132			1	128							٠.			• •			• • •	
133-137			1	135												• •	• •	• •
143-147					1	143										• •	• •	• •
148-152			2	300			2	301			••		• • •				• •	• •
158-162	1	159		٠	1	160	٠.		1	160	1	160						• •
163–167			1	165											2	332		• •
168–172					1	170												
173-177			1	175									2	348			• .	
178-182	1					٠.		'					• •		1	182	• .	
183–187							1	185										
188-192			1	190														
193–197																	1	194
208-212							٠.				4	846						
218-222	٠.										1	220						
Total	1	159	7	1093	3	473	3	486	1	160	6	1226	2	348	3	514	1	194

AGE GROUP 71-72

	5 Feet	6 Inches	5 Feet	7 Inches	5 Feet	8 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
128–132					1	132
138–142			1	140		
148–152	1	150			1	152
218–222					1	218
Total	1	150	1	140	3	502

AGE GROUP 73-74

	5 Feet	t 6 Inches	5 Feet	7 Inches	5 Feet 8	Inches	5 Feet	11 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
133-137	1	135				· .		
143-147					1	147		
158–162			1	162	1			
183–187							1	185
Total	1	135	1	162	1	147	1	185

AGE GROUP 79-80

	5 Feet	10 Inches
Weight	Num- ber	Aggregate Weight
148-152	2	300
Total	2	300

AGE GROUP 83-84

	5 Feet	6 Inches
Weight	Num- ber	Aggregate Weight
153-157	1	155
Total	1	155

TABLE VI BUILD—WOMEN

	BUILD-WOMEN									
Age	3	Feet II Inches			4 Feet	1		4 Feet I Inch		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
21				• •			2	238	119	
26 27			• • •				1	100	100	
28	• •	• •	• •	• • •	• •	• •	1	108	108	
29				• •	• •	• •	1	130 128	130 128	
35	1	85	85					120		
37				1	119	119				
41				1	125	125				
Age		4 Feet 2 Inches			4 Feet 3 Inches			4 Feet 4 Inches		
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	
16	.:	.:.	.::	1	112	112	1	114	114	
17 18	1 1	110 124	110	• •		• • •	• •	• • •		
21			124	1	99	99	1	121	121	
23	2	242	121	1	125	125	1	121	121	
25	2	226	113	• •						
26							1	118	118	
27 28	اذ. ا	212	100		• •	• • •	1	146	146	
30	2	212	106	• •	• •	• • [··i	100	100	
32	1	95	95	• •	• •		2	241	100	
33	2	208	104			: il		7		
34		• •					1	113	113	
36 37	• •	• •	• •	1	120	120	2	244	122	
41	• •	• •	• •	• •	• •	• •	1 1	157 121	157 121	
42				1	119	119		121	121	
44				ī	110	110				
45	1	115	115	, .						
47 50	• •	• •	• •	• •	, .		1	118	118	
					104	104				
				1	124	124				
Age		4 Feet 5 Inches Aggregate			4 Feet 6 Inches			4 Feet 7 Inches		
Age	Number	Aggregate Weight	Average Weight	Number		Average Weight	Number	Aggregate Weight	Average Weight	
Age 16			Average	Number	4 Feet 6 Inches Aggregate Weight	Average Weight			Average Weight	
Age 16 17		Aggregate Weight 138	Average Weight 138	Number	4 Feet 6 Inches	Average	Number	Aggregate Weight	Average Weight	
Age 16 17 19 20		Aggregate Weight	Average Weight 138	Number 2	Agaregate Weight 192 101 76	Average Weight	Number 2	Aggregate Weight 198	Average Weight 99	
Age 16 17 19 20 23	Number 1	Aggregate Weight 138 125	Average Weight 138	Number 2 1 1 1 1	4 Feet 6 Inches Aggregate Weight 192 101	Average Weight 96 101	Number 2	Aggregate Weight 198	Average Weight 99	
Age 16 17 19 20 23 24	Number 1	Aggregate Weight 138	Average Weight 138	Number 2 1 1 1 1	Agaregate Weight 192 101 76 87	Average Weight	Number 2 1	Aggregate Weight 198 104	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436	Average Weight 138	Number 2 1 1 1 1	4 Feet 6 Inches	Average Weight	Number 2	Aggregate Weight 198 104	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138	Average Weight 138 125 126 109 126	Number 2 1 1 1 1	4 Feet 6 Inches	Average Weight	Number 2	Aggregate Weight 198	Average Weight 99 104 110	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126	Average Weight 138	Number 2 1 1 1 1 1	4 Feet 6 Inches	Average Weight	Number 2	Aggregate Weight 198 104	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115	Average Weight 138 125 126 109 126 115	Number 2 1 1 1 1 1 1 1 1 1 1 1 1 1	4 Feet 6 Inches	Average Weight 96 101 76 87 97 102 185 120	Number 2 1 1 1	Aggregate Weight 198 104 110 90	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115 128	Average Weight 138 125 126 109 126 115	Number 2 1 1 1 1 1	4 Feet 6 Inches	Average Weight 96 101 76 87 97 102 185 120	Number 2 1 1 1	Aggregate Weight 198 104 110 90	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115 128	Average Weight 138 125 126 109 126 115	Number	4 Feet 6 Inches Aggregate Weight 192 101 76 87 97 102 185 120	Average Weight 96 101 76 87 97 102 185 120	Number 2 1 1 3	Aggregate Weight 198 104 110 90 290	Average Weight 99 104 110 90 97	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115 128	Average Weight 138 125 126 109 126 115 128	Number 2 1	4 Feet 6 Inches Agaregate Weight 192 101 76 87 97 102 185 120 125	Average Weight 96 101 76 87 97 102 185 120 125	Number 2 1 1 3	Aggregate Weight 198 104 110 90	Average Weight 99	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115 128 117	Average Weight 138 125 126 109 126 115	Number 2 1 1 1 1 1 1 1 1 1	4 Feet 6 Inches Agaregate Weight 192 101 76 87 97 102 185 120 125 120	Average Weight 96 101 76 87 97 102 185 120 125	Number 2 1 1 3 3	Aggregate Weight 198 104 110 90 290 102	Average Weight 99 104 110 90 97	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138 125 126 436 126 115 128 117	Average Weight 138 125 126 109 126 115 128	Number 2 1 1 1 1 1 1 1 1 1 1	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131	Number 2 1 1 3 1 1	Aggregate Weight 198 104 110 90 290 102 105	Average Weight 99 104 110 90 97 102 105	
Age 16 17 19 20 23 24 25	Number 1 1 1 4 1 1 1 1 1 1 1 1	Aggregate Weight 138 125 126 436 126 115 128 117 115	Average Weight 138 125 126 109 126 115 128 117 115	Number 2 1 1 1 1 1 1 1 1 2	### Agaregate Weight 192 101 76 87 97 102 185 120 125 120 262	Average Weight 96 101 76 87 97 102 185 120 125 120 131	Number 2 1 1 3 1 1 1 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 102	Average Weight 99 104 110 90 97 102 105 102	
Age 16 17 19 20 23 24 25	Number 1	Aggregate Weight 138	Average Weight 138 125 126 109 126 115 128 117 115 145	Number 2 1 .	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131	Number 2 1 1 3 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 102	Average Weight 99 104 110 90 97 102 105 102	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40	Number 1 1 1 4 1 1 1 1 1 1 1 1	Aggregate Weight 138	Average Weight 138 125 126 109 126 115 128 117 115 145	Number 2 1 .	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131	Number 2 1 1 3 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 102 110	Average Weight 99 104 110 90 97 102 105 102 110	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40	Number 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1	Aggregate Weight 138 125 126 436 126 115 128 117 115 145 142	Average Weight 138 125 126 109 126 115 128 117 115 145 142	Number 2 1 .	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131 115	Number 2 1 1 1 3 1 3 1 3	Aggregate Weight 198 104 110 290 102 105 102 110 270	Average Weight 99 104 90 170 97 102 105 102 110 90	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43	Number 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1	Aggregate Weight 138 125 126 436 126 115 128 117 115 145	Average Weight 138	Number 2 1 1 1 1 1 1 2 1 2 1 2 2	### Feet 6 Inches Aggregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 125 120 131 115	Number 2 1 1 3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 102 110 270 100	Average Weight 99 104 110 90 105 102 110 90 100	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43 44	Number 1 1 1 4 1	Aggregate Weight 138 125 126 436 126 115 128 117 115 145	Average Weight 138	Number 2 1 1 1 1 1 1 2 1 2 1 2 2	# Feet 6 Inches Aggregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 125 120 15 185	Number 2 1 1 1 3 1 3 1 1 1 3	Aggregate Weight 198 104 110 290 102 105 102 110 270 100	Average Weight 99 104 110 90 105 102 110 90 100	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43 44	Number 1 1 1 4 1	Aggregate Weight 138	Average Weight 138	Number 2 1 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131 115 72 85 120	Number 2 1 1 3 1 3 1	Aggregate Weight 198 104 110 90 290 102 105 102 110 270 100 110	Average Weight 99 104 110 90 105 102 110 90 100 110	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43 44	Number 1 1 1 4 1	Aggregate Weight 138	Average Weight 138	Number 2 1 1 1 1 1 1 2 1 2 1 2 1 2 1 2 2	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 102 185 120 125 120 131 115 72 85 120	Number 2 1 1 1 3 1 3 1 1 1 3	Aggregate Weight 198 104 110 90 290 102 105 102 110 270 100 110	Average Weight 99 104 110 90 105 102 110 90 100 110	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43 44	Number 1 1 1 4 1	Aggregate Weight 138	Average Weight 138 125 126 109 126 115 128 147 100 150	Number 2 1 1 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 97 102 185 120 125 120 131 115 72 85 120	Number 2 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 100 110 270 100 110	Average Weight 99 104 110 90 105 102 110 90 100	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43 44	Number 1 1 1 4 1	Aggregate Weight 138	Average Weight 138 125 126 109 126 115 128 147 100 150 110	Number 2 1 1 1 1 1 1 2 1 2 1 1 2 1 2 1	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 102 185 120 125 120 131 115 72 85 120	Number 2 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Aggregate Weight 198 104 110 90 290 102 105 102 110 270 100 110 278	Average Weight 99 104 110 90 100 110 92 110 128	
Age 16 17 19 20 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 43	Number 1 1 1 4 1	Aggregate Weight 138	Average Weight 138 125 126 109 126 115 128 147 100 150	Number 2 1 1 1 1 1 1 2 1 2 1 1 2 1 2 1	# Feet 6 Inches Agaregate Weight	Average Weight 96 101 76 87 102 185 120 125 120 131 115 72 85 120	Number 2 1 1 3 1 3 1	Aggregate Weight 198 104 110 110 290 102 105 102 110 270 100 110 270 100 128	Average Weight 99 104 110 90 97 102 105 102 110 90 100 110	

	I	4 Feet 8 Inches	1		4 Feet 9 Inches		4	Feet 10 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14	1	70	70	• • •					
15	1	78	78	2	200	100	7	672	96
16				2	214	107	3	329	110
17				3	327	109			
18	1	115	115	2	198	99	3	343	114
19	.;	100		2	191	96	9	996	111
20 21	1 1	100	100	3	291	97	15	1594	106
21 22	1	102	102	8	854	107	16	1773	111
23	3	314	105	9	1004 378	112	15 20	1725 2249	115
23 24	1	121	121	2	219	126 110	20	2249	112 112
$\tilde{2}\tilde{5}$	5	594	119	6	674	112	23	2551	111
26	Ĭ	110	110	12	1351	113	18	2092	116
27	2	205	103	5	561	112	16	1762	110
28	$\overline{1}$	95	95	9	991	110	26	3006	116
29	1	105	105	7	884	126	19	2157	114
30	3	348	116	14	1626	116	33	3739	113
31	1	96	96	6	657	110	12	1360	113
32	6	731	122	6	606	101	24	2947	123
33	2	228	114	6	701	117	21	2487	118
34 25	1	85	. 85	7	830	119	17	2027	119
35 36	5	553	111	9	1030	114	25	2887	115
30 37	1 4	123 437	123	5	601	120	17	1939	114
38	3	322	109 107	5 6	576	115	11	1329	121
39		90	90	7	676 884	113 126	8 22	1049 2512	131
40	4	434	109	5	685	137	16	1951	114 122
41				5	606	121	13	1717	132
42	3	355	118	4	496	124	14	1743	125
43	2	198	99		189	95	12	1455	121
44				2 1	118	118	6	756	126
45	1	123	123	2	260	130	10	1235	124
46	2	201	101	4	501	125	9	1196	133
47 48	1	155	155	3	395	132	8	980	123
49	2	228	114	4	475	119	12	1520	127
50	i	95	95	1	110	110	13	1756	135
51		931	93	9	1091	121	16	2107	132
$\tilde{52}$	i	128	128	1	515 128	129 128	7	783	112
53			120	1	132	132	6	815	136
54	1	131	131	4	471	118	13	1649	127
55	1	148	148				اه	611	153
56	1	105	105	2	260	130	7	489 861	122 123
56 57 58	1	128	128				4	482	123
58	• •			1	121	121	$\stackrel{\circ}{4}$	540	135
59 60	• • •	• •	[2	258	129
60 61	• •	• • •	٠.١	1	90	90	3	318	106
63	• • [• • [• • •		1	111	111
64	• •	• •	• •	2	2:0		2	245	123
65	·i	145	145		260	130			
		140	1.13						

TABLE VI (Continued) BUILD—WOMEN

Δ	4	Feet 11 Inches	<u> </u>		5 Feet			5 Feet 1 Inch	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average	Number	Aggregate	Average
15	4	393	98	16	1634	Weight 102	21	Weight 2277	Weight
16	10	1070	107	34	3656	108	36	4012	108 111
17	13	1384	106	27	2917	108	46	5242	114
18	13	1361	105	4 8	5391	112	62	7300	118
19	15	1717	114	52	5861	113	86	9949	116
20	17	1832	108	101	11562	114	156	18014	115
21	26	2922	112	132	15395	117	215	24819	115
22 23	33	3663	111	180	20707	115	230	27090	118
23 24	35	4047	116	181	20705	114	281	32945	117
25	48	5377	112	179	21062	118	276	33076	120
25 26	54 63	6115 7404	113	231	27038	117	320	38259	120
27	58	6767	118 117	215	25286	118	308	36626	119
2 8	50 50	5813	117	216	25294	117	346	41182	119
29	49	58 4 6	110	262 224	31232	119	330	39733	120
30	80	9189	115	286	26876 34573	120	313	37916	121
31	31	3522	114	215	25596	121 119	315	38151	121
32	44	5368	122	203	24906	123	263 292	31884 36084	121
33	44	5179	118	193	23466	123	290	36022	124 124
34	44	5488	125	197	24327	123	306	37516	124
35	47	5872	125	225	28403	126	301	37739	125
36	43	5283	123	164	20271	124	242	30255	125
37	37	4517	122	183	22764	124	223	28513	128
38	36	4427	123	170	21268	125	221	28213	128
39	27	3391	126	152	19300	127	208	26660	128
40	48	5989	125	135	17021	126	189	24398	129
41	27	3143	116	128	16576	130	166	21224	128
42	16	1966	123	97	12159	125	145	18911	130
43	27	3254	121	102	13226	130	141	18340	130
44 45	26	3307	127	87	11246	129	129	16810	130
45 46	29 22	3652 2789	126 127	97 67	12306	127	125	16534	132
47	15	1854	127	68	858 4 8845	128 130	115	15195	132
48	23	2916	127	75	9759	130	84 96	11265 12965	134 135
49	12	1592	133	57	7263	127	94	12637	134
50	22	2962	135	70	9523	136	90	12237	136
51	19	2483	131	47	6244	133	76	10428	137
52	15	1894	126	45	6170	137	61	8194	134
53	19	2547	134	48	6600	138	67	9264	138
54	15	1919	128	50	6310	126	51	6996	137
55	11	1368	124	45	6044	134	37	5148	139
56	9	1242	138	24	3063	128	32	4393	137
57 58	9	1236	137	23	3164	138	23	2995	130
58	8	1008	126	24	3083	128	30	4371	146
59	2	270	135	22	3011	137	21	2918	139
60	3	441	147	18	2379	132	19	2547	134
61	2 2	233	117	9 7	1210 996	134	10	1432	143
62 63	4	220 135	110 135		605	142 121	4	537 1200	134
64	1 1	150	150	5 9	1130	121	9 5	703	133 141
65		130	l l	7	881	126	4	533	133
66	• • •		• •	- 1	120	120	2	275	138
67	i	148	148	1	145	145	3	411	137
68	. "			4	498	125	2 3 2	297	149
73				î	113	113		:	

		5 Feet 2 Inches	1		5 Feet 3 Inches			5 Feet 4 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
13	1	113	113						• •
15	38	4171	110	56	6277	112	55	6548	119
16	68	7564	111	83	9735	117	74	8687	117
17	87	10195	117	102	12217	120	140	17347	124
18	128	15234	119	180	21932	122	224	27401	122
19	194	22811	118	260	31679	122	322	40241	125
20	281	33589	120	370	44811	121	493	61841	125
21	422	50522	120	566	68913	122	822	103015	125
22	435	52321	120	613	75450	123	785	98593	126
23	552	65832	119	732	89265	122	910	114575	126
24	572	69256	121	736	90777	123	1077	135863	126
25	636	76680	121	789	98161	124	1121	142133	127
26	654	79132	121	830	102897	124	1139	145688	128
27	621	76335	123	844	105843	125	1089	138892	128
28 29	664	82207	124	879	110645	126	1169	149843	128
30	634	77970	123	784	98408	126	1128	145140	129
30 31	664 569	82778 70748	125	866	110003	127	1211	158220	131
32	566	70748	124 125	749 749	95429 96404	127	1012	133004	131
33	596	75667	123	749	95700	129 129	1054 998	138485	131
34	529	67002	127	683	88591	130	998	131921 133541	132
35	504	64131	127	685	89890	131	985	132320	134 134
36	486	62136	128	591	76795	130	807	109006	134
37	441	56325	128	507	67137	132	757	102877	136
38	424	54635	129	494	65845	133	714	97205	136
39	377	48998	130	452	60632	134	657	90192	137
40	375	49558	132	452	61869	137	619	84938	137
41	316	41669	132	363	48592	134	507	70114	138
42	280	36833	132	379	51170	135	514	72044	140
43	300	40358	135	322	44005	137	472	65853	140
44	259	34746	134	324	44940	139	412	58309	142
45	270	35996	133	312	43086	138	390	54399	139
46 47	222	30354	137	226	31433	139	319	44808	140
48	191 200	25744 27608	135	210	29059	138	290	41266	142
49	156	21073	138 135	218 173	30840	141	266	38270	144
5 0	178	24799	133	204	24383 28487	141	225	31601	140
51	140	19387	138	129	18006	140	250	35552	142
52	113	15794	140	111	15797	140 142	176	25266	144
53	84	11501	137	119	16772	141	157	22549	144
54	74	10406	141	91	13170	145	145 122	20669 17813	143
55	83	11641	140	102	14372	141	89	12873	146
56	55	7442	135	76	10847	143	86	12773	145 149
57	38	5178	136	42	5944	142	70	10289	149
58	45	6224	138	41	5827	142	57	8442	148
59	34	4805	141	51	7071	139	55	7979	145
60	33	4600	139	34	4757	140	46	6700	146
61 62	7	987	141	11	1490	135	32	4864	152
63	14 15	1904	136	12 8	1737	145	19	2670	141
64		2039	136	8	1055	132	12	1744	145
65	8 6	1087 780	136 130	9 7 7	1338	149	17	2376	140
66	5	652	130	4	963	138	9	1332	148
67	2	267	134	4	1010	144	1	125	125
68	2	297	134		••	• •	4	569	142
69	2 2 4	534	134	i	131	121	3		
70	2	250	125	1	I .	131	3	405	135
· · · · · · · · · · · · · · · · · · ·		2001	120	•••	<u></u>		1	135	135

		Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches	
Age	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
14				1	113	113			
15	48	5755	120	22	2646	120	5	651	130
16	76	9245	122	72	8870	123	24	3168	132
17	95	11805	124	115	14631	127	58	7586	131
18	225	28534	127	164	21582	132	100	13379	134
19	279	35595	128	234	31020		182	24577	135 136
20	438	56649	129	372	48762 69657	131	271 343	36845 46949	137
21	714	92090	129	525 602	80212	133 133	402	54651	136
22 23	739 856	95829 110900	130 130		94714		446	60779	136
$\frac{23}{24}$	948	122927	130		105865		502	69463	138
25	1005	130838	130		ì		539	75083	139
26	1062	139343	131	862	116839		520	72298	139
$\frac{20}{27}$	1066	140963	132		117411	135	572	79 4 25	139
2 8	1058	140789	133		130085		586	81560	139
29	1026	136652	133		122604	139	535	75722	142
30	1082	145815	135	881	121677	138	572	81126	142
31	932	126068	135				514	1 1	143
32	961	130565	136		105897				143
33	913		137				432	62531	145
34	883		136		105415	L	396		146 146
35	877	121056	138				450 441		148
36	853		138			4	332		149
37	731		139 140		1				148
38	663	L .	140	i .	1			1 1	150
39 40	600 584						254		153
40 41	443	1	143				183		150
42	452		143		4		220		151
43	416	1		L				1	151
44	369	N .	145	273					152
45	350						173		156
46	266	1							154 157
47	249								158
48	260		i	1					158
49	187				1				162
50	235								150
51 53	148			· •					159
52 53	116			_		1		7345	163
53 54	100					6 151			161
5 5	89			7 7:	3 1144	9 157		4320	160
56	86		15	1 54	4 851	4 158	25	3869	155
56 57	53	7906	14		3 495		1.		151
58	56	8118			4 505	9 149			158 157
59	37	5598			4 360	8 150 2 147		7 1107	157
60	33	3 4994						849	
61		1220			0 151 9 141			724	145
62	1	1 1597			6 89			6 1044	174
63	12	2 1790		6	8 122		3	3 472	
64		584 8 1193			7 101				
65		4 584 8 1193 2 280 1 123				2 124	4	294	 147
66 67		1 127		7	3 37 2 30	7 154	4 .		
67 68		2 270			1 13	5 13.	5 .		
70		2 270 1 136		6 .		.	.]		
/V		1 100						· 	

Age		Feet 8 Inches			Feet 9 Inches		5 Feet 10 Inches		
	Number	Aggregate Weight	Ave r age Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15	9	1228	136	1	125	125	2	208	104
16	22	2958	134	7	923	132	4	592	148
17	23	3232	141	12	1663	139	2	310	155
18	54	7455	138	32	4544	142	11	1605	146
19	105	14733	140	51	7174	141	9	1294	144
20	140	19407	139	57	8155	143	35	4994	143
21	173	24326	141	96	13843	144	47	6972	148
22	252	35390	140	103	14566	141	31	4583	148
23	271	38355	142	107	15495	145	49	7285	149
24	298	42026	141	135	19774	146	56	8417	150
25	352	50061	142	142	21088	149	50	7562	151
26 27	334	47954	144	99	14276	144	48	7418	155
27	427	61614	144	43	6550	152	74	11197	151
28	321	46078	144	144	21443	149	53	8160	154
29	340	49707	146	117	17739	152	59	9358	159
30	349	51439	147	142	21509	151	55	8393	153
31	229	33742	147	105	15999	152	40	6197	155
32 33	272	40424	149	99	14808	150	37	5750	155
33 34	233	34890	150	103	15908	154	37	5793	157
35	283 251	42531 37818	150	96	14796	154	37	5834	158
36	208	32266	151	87	13684	157	37	5708	154
37	208	31811	155	94	14790	157	32	5262	164
38	174	26928	153 155	81 72	12730	157	26	4155	160
39	156	24015	154	65	11045	153	35	5517	158
40	159	24430	154	57	10153 9280	156	25	4025	161
41	122	19080	156	38	5926	163	28	4712	168
42	120	18839	157	50	8488	156 170	10	1697	170
43	98	15306	156	38	6313	166	15	2484	166
44	86	13735	160	25	4247	170	21 11	3322	158
45	79	12487	158	42	6773	161	20	1872	170
46	55	8589	156	27	4351	161	9	3077 1514	154
47	60	9548	159	23	3665	159	10	1681	168
48	67	10925	163	19	3082	162	5	974	168 195
49	51	8249	162	13	2171	167	5	824	165
50	33	5079	154	19	3221	170	10	1655	166
51	28	4709	168	10	1557	156	7	1190	170
52 53	36	5921	164	14	2415	173	7	1169	167
55 54	19	3139	165	10	1619	162	4	709	1 7 7
5 4 55	26	4326	166	7	1225	175	5	935	187
56	14	2317	166	5	922	184	2	365	183
57	14	2052 894	147	3	486	162	2	274	137
58	5	1020	179	4	650	163	5	821	164
58 59	6 9	1385	170	3	552	184	2	350	175
66	8	1200	154 150	4 2 1	639	160			
61	4	658	165	2	330	165	1	223	223
62	1				214	214	1	183	183
63	4	600	150	3.	520	173	1	128	128
64	3	480	160	• • •	٠.				
65	i	1		1	163	.::			
69	1.1	170	170	1	103	163			

TABLE VI (Concluded) BUILD-WOMEN

Age		Feet 11 Inches			6 Feet			6 Feet 1 Inch	
	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
17	1	135	135						W CIGHT
18	3	493	164	2	318	159	• •	• • •	• •
19	3	405	135	4	609	152	• • •	1	• •
20	9	1345	149	2	312	156	• •	[• •
21	13	1882	145	2	395	198	i	170	170
· 22	12	1757	146	2	311	156	-1	170	
23	19	3042	160	8	1277	160	i	167	167
24	21	3389	161	4	581	145	il	162	162
25	21	3178	151	10	1550	155	-1	f	
26	. 19	2925	154	6	926	154			• •
. 27	24	3806	159	4	647	162	i	225	225
28	23	3539	154	9	1307	145	1	223	
29	.18	2713	151	2	361	181	i	166	166
30	15	2440	163	6	885	148	^		
31	19	2889	152	4	747	187			• •
32	17	2746	162	8	1452	182	3	410	137
33	13	2246	173	il	160	160	Ĭ	110	
34	14	2271	162	4	618	155	2	325	. 163
35	16	2556	160	9	1436	160		020	, 100
36	12	1851	154	4	677	169	2	392	196
37	12	1944	162	5	757	151			
38	7	1083	155	1	182	182			
39	7	1180	169	7	1001	143	1	185	185
40	14	2325	1 6 6	2	313	157			
41	9	1381	153	6	1021	170	2	360	180
42	2	326	163	2	363	182			
43	4	664	166	3	576	192	1	236	236
44	5	758	152	2	339	170	1	195	195
45	4	655	164	1	200	200			
46	4	728	182						
47	5	781	156	` 2	329	165			
48	5	948	190	1	175	175			
49	1	155	155		• •				
50	3	511	170	3	515	172			
51	1	160	160		• •				
52	3	660	220	1	175	175	••	••	
54	2	401	201	• •	• •	• •	• • •	• •	
55	3	596	199	.:	_ : : _		• • •	• •	
56	· · · · · · · · · · · · · · · · · · ·	. : : [. : :	3	545	182		• •	
58	1	135	135	• • •		• • •	• •	• •	
64	1	201	201						• •

		6 Feet 2 Inches			6 Feet 3 Inches			Feet 4 Inches	
Age	'Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
19	1	185	185	• •	• •				
22				3	488	163			
23	1	142	142						
25	1	165	165						
26	1	177	177						
31	1	180	180						
36	1	162	162				1]	119	1.
40				1	223	223			
41	1	198	198						
45	1	185	185						

		6 Feet 5 Inches Aggregate Average			
Age	Number	Aggregate Weight	Average Weight		
37	1	220	220		

TABLE VII
BUILD—WOMEN

		4 Feet 8 Inches			4 Feet 9 Inches		4	Feet 10 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	70	70						• •
15–19	2	193	97	11	1130	103	22	2340	106
20-24	6	637	106	25	2746	110	86	9581	111
25-29	10	1109	111	39	4461	114	102	11568	113
	13	1488	114	39	4420	113	107	12560	117
30-34	13	1525	109	32	3767	118	83	9716	117
35–39	14	987	110	17	2094	123	61	7622	125
40-44	9		118	14	1741	124	52	6687	129
45-49	0	707		19	2337	123	46	5965	130
50 - 54	3	354	118		381	127	21	2630	125
55–59	3	381	127	3			6	674	_
60-64				3	350	117	٩	074	112
65-69	1	145	145	• •					<u> </u>
Total	68			202			586		·

	4	Feet 11 Inches			5 Feet			5 Feet I Inch	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	55	5925	108	177	19459	110	251	28780	115
20-24	159	17841	112	773	89431	116	1158	135944	117
25-29	274	31945	117	1148	135726	118	1617	193716	120
30-34	243	28746	118	1094	132868	121	1466	179657	123
35–39	190	23490	124	894	112006	125	1195	151380	127
40-44	144	17659	123	549	70228	128	770	99683	129
45-49	101	12803	127	364	46757	128	514	68596	133
50 - 54	90	11805	131	260	34847	134	345	47119	137
55-59	39	5124	131	138	18365	133	143	19825	139
60-64	9	1179	131	48	6320	132	47	6419	137
65-69	1	148	148	13	1644	126	11	1516	138
70-74				1	113	113			
Total	1305			5459			7517		

Δ		5 Feet 2 Inches	ļ		5 Feet 3 Inches			5 Feet 4 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10-14	1	113	113						
15–19	515	59975	116	681	81840	120	815	100224	12
20-24	2262	271520	120	3017	369216	122	4087	513887	1:
25–29	3209	392324	122	4126	515954	125	5646	721696	1:
30-34	2924	367088	126	3788	486127	128	5272	695171	1.
35–39	2232	286225	128	2729	360299	132	3920	531600	1
4044	1530	203164	133	1840	250576	136	2524	351258	1
4549	1039	140775	135	1139	158801	139	1490	210344	1.
50-54	589	81887	139	654	92232	141	850	121849	1
55–59	255	35290	138	312	44061	141	357	52356	1
60-64	77	10617	138	74	10377	140	126	18354	1
65-69	19	2530	133	15	2104	140	17	2431	1
70-74	2	250	125				1	135	1
Total	14654			18375			25105		

TABLE VII (Concluded) BUILD—WOMEN

Age		5 Feet 5 Inches			5 Feet 6 Inches			5 Feet 7 Inches	
Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
10–14				1	113	113			
15–19	723	90934	126	607	78749	130	369	49361	134
20-24	3695	478395	129	2994	399210	133	1964	268687	137
25-29	5217	688585	132	4395	598477	136	2752	384088	140
30–34	4771	647589	136	3892	546238	140	2403	345116	144
35–39	3724	517809	139	2843	407417	143	1884	279007	148
40-44	2264	323522	143	1760	259242	147	993	150277	15
45–49	1312	190252	145	974	148127	152	596	93288	157
50-54	689	102941	149	476	72649	153	297	46916	158
5559	321	47703	149	218	33581	154	98	15357	157
60-64	68	10185	150	63	9470	150	26	4196	161
65-69	13	1870	144	13	1827	141	2	294	147
70–74	1	136	136						
Total	22798			18236			11384		

A		5 Feet 8 Inches			5 Feet 9 Inches		Į.	Feet 10 Inches	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight	Number	Aggregat e Weight	Average Weight
15-19	213	29606	139	103	14429	140	28	4009	143
20–24	1134	159504	141	498	71833	144	218	32251	148
25-29	1774	255414	144	545	81096	149	284	43695	154
30-34	1366	203026	149	545	83020	152	206	31967	155
35-39	997	152838	153	399	62402	156	155	24667	159
40-44	585	91390	156	208	34254	165	85	14087	166
45-49	312	49798	160	124	20042	162	49	8070	165
50-54	142	23174	163	60	10037	167	33	5658	171
55-59	48	7668	160	19	3249	171	11	1810	165
60-64	19	2938	155	6	1064	177	3	534	178
6569	1	170	170	1	163	163			
Total	6591			2508			1072		

	5	Feet 11 Inches			6 Feet	
Age Group	Number	Aggregate Weight	Average Weight	Number	Aggregate Weight	Average Weight
15-19	7	1033	148	6	927	155
20-24	74	11415	154	18	2876	160
25-29	105	16161	154	31	4791	155
30-34	78	12592	161	23	3862	168
35-39	54	8614	160	26	4053	156
40-44	34	5454	160	15	2612	174
45-49	19	3267	172	4	704	176
50-54	9	1732	192	4	690	173
55-59	4	731	183	3	545	182
60-64	1	201	201			
Total	385			130		

TABLE VIII BUILD—WOMEN

GRADED AVERAGE WEIGHT

Age Group	4 Ft. 8 In.	4 Ft. 9 In.	4 Ft. 10 In.	4 Ft. 11 In.	5 Ft.	5 Ft. 1 In.	5 Ft. 2 In.	5 Ft. 3 In.	5 Ft. 4 In.
15-19	104	106	108	110	112	114	117	120	123
20-24	107	109	111	113	115	117	120	123	126
25-29	110	112	114	116	118	120	122	125	129
30-34	113	115	117	119	121	123	125	128	132
35-39	116	118	120	122	124	126	129	132	136
40–44	120	122	124	126	128	130	133	136	139
45-49	123	125	127	129	131	133	136	139	142
50-54	125	127	129	131	133	135	138	141	144

Age Group	5 Ft. 5 In.	5 Ft. 6 In.	5 Ft. 7 In.	5 Ft. 8 In.	5 Ft. 9 In.	5 Ft. 10 In.	5 Ft. 11 In.	6 Ft.
15-19	126	130	134	138	141	145	150	155
20-24	129	133	137	141	145	149	153	157
25-29	132	136	140	144	148	152	155	159
30-34	136	140	144	148	152	155	158	162
35-39	140	144	148	152	156	159	162	165
40-44	143	147	151	155	159	162	166	169
45-49	146	151	155	159	163	166	170	173
50-54	148	152	157	162	166	170	174	177

TABLE IX BUILD—WOMEN

GRADED AVERAGE WEIGHT

Age	4 Ft.	4 Ft.	4 Ft.	4 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	5 Ft.	6 Ft.
15	8 In. 101	9 In. 103	10 In. 105	11 In. 106	107	1 In. 109	2 In. 112	3 In. 115	4 In. 118	5 In. 122	6 In. 126	7 In. 130	8 In. 134	9 In. 138	10 In. 142	11 In. 147	152
16	101	103	105	108	107	111	114	117	120	124	128	132	136	139	143	148	153
17	103	105	107	109	111	113	116	119	122	125	129	133	137	140	144	149	154
18	104	106	108	110	112	114	117	120	123	126	130	134	138	141	145	150	155 155
19	105	107	109	111	113	115	118	121	124	127	131	135	139	142	146	151	133
20	106	108	110	112	114	116	119	122	125	128	132	136	140	143	147	151	156
21	107	109	111	113	115	117	120	123	126	129	133	137	141	144	148	152	156
22	107	109	111	113	115	117	120	123	126	129 130	133 134	137 138	141 142	145 146	149 150	153 153	157 157
23 24	108 109	110 111	112 113	114 115	116 117	118 119	121 121	124 124	127 127	130	134	138	142	146	150	154	158
	102		110	110	11,		121							•			
25	109	111	113	115	117	119	121	124	128	131	135	139	143	147	151	154 155	158 159
26 27	110 110	112 112	114 114	116 116	118 118	120 120	122 122	125 125	128 129	131 132	135 136	139 140	143 144	147 148	151 152	155	159
28	111	113	115	110	110	120	123	126	130	133	137	141	145	149	153	156	160
29	111	113	115	117	119	121	123	126	130	133	137	141	145	149	153	156	160
30	112	114	116	110	120	122	124	127	131	134	138	142	146	150	154	157	161
30 31	112 113	114 115	116 117	118 119	120 121	122 123	124	128	132	135	139	143	147	151	154	157	161
32	113				121	123	125	128	132	136	140	144	148	152	155	158	162
33	114	116	118		122	124	126	129	133	137	141	145	149	153	156	159 160	162 163
34	115	117	119	121	123	125	127	130	134	138	142	146	150	154	157	100	103
35	115	117	119	121	123	125	127	130	134	138	142	146	150	154	157	160	163
36	116	118	120		124	126	128	131	135	139	143	147	151	155 156	158 159	161 162	164 165
37	116		3		124	126 127	129 130	132 133	136 137	140 141	144 145	148 149	152 153	157	160	163	166
38 39	117 118			1			130	134	138	142	146	150	154	158	161	164	167
										1.40	146	150	154	158	161	164	167
40	119				127 128	129 130	132 133	135 136	138 139	142 143	146 147	150 151	154 155	159	162	165	168
41 42	120 120			4				136	139	143	147	151	155	159	162	166	169
43	121						134	137	140	144	148	152	156	160	163	167	170
44	122	124	126	128	130	132	135	138	141	145	149	153	157	161	164	168	171
45	122	124	126	128	130	132	135	138	141	145	149	153	157	161	164	168	171
46	123					133	136		142	146		154	158	162	165	169	172 173
47	123							139	142	146	151 152	155 156	159 160	.163 164	166 167	170 171	173
48	124		128		1			140 140	143 143	147 147	152	156	161	165	168	172	175
49	124	126	128	130	132	134		110							1.00	170	176
50	125							141	144	148 148		156 157	161 162	165 166	169 170	173 174	176 177
51	125							141 141	144 144	148	1	157	162	166	170	174	177
52 53	125 125							ł	144	148	152	157	162	166	170	174	177
53 54	125		1			135	138	141	144	148			163	167	171	174	177
55	125	1		1			138	141	144	148	153	158	163	167	171	174	177

TABLE X BUILD—WOMEN AGE GROUP 10-14

	4 Fee	t 8 Inches	5 Fee	t 2 Inches	5 Fee	t 6 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
68-72	1	70				
113-117			1	113	1	113
Total	1	70	1	113	1	113

AGE GROUP 15-19

	4 Fee	t 2 Inches	4 Fee	t 3 Inches	4 Fee	t 4 Inches	4 Fee	t 5 Inches	4 Fee	t 6 Inches	4 Fee	t 7 Inches	4 Fee	t 8 Inches	4 Fee	t 9 Inches
Weight	Num- ber	Aggregate Weight														
78-82	·								1	80	1	80	1	78		
8892															1	91
93—97	1														5	474
98-102				٠					1	101					1	98
103-107															2	212
108-112	1	110	1	112					1	112						
113–117					1	114							1	115		
118-122											1	118			1	120
123–127	1	124														
133-137										• •					1	135
138–142							1	138							<u> </u>	
Total_	2	234	1	112	1	114	1	138	3	293	2	198	2	193	11	1130

AGE GROUP 15-19—(Continued)

	4.5	40 T	4.5		_			15-19-(
Weight		10 Inches		11 Inches		Feet		t 1 Inch		t 2 Inches		t 3 Inches		4 Inches		5 Inches
weight	Num- ber	Aggregate Weight														
7377							2	150								
78 — 82					1	82			1	80						
83—87	2	170	_	257	2	172									1	85
88—92	2	180	4	362	4	360	7	631	4	358	3	274	1	92		
93—97	1	96	7	669	17	1617	7	664	17	1618	11	1048	6	573	4	380
98-102	3	304	12	1201	31	3102	28	2812	51	5103	34	3389	26	2613	3	302
103-107	5	522	5	528		2400	29	3039	56	5874	57	5992	45	4726	25	2631
108-112	1	110		989		3526	36	3956	62	6824	97	10677	93	10244	77	8504
113-117	2	228		463			42	4830	86	9883	97	11151	104	11976	84	9670
118-122	4	459	3	358	18	2152	42	5027	98	11729	105	12552	145	17361	113	13543
123-127			5	625		1872	20	2504	49	6122	103	12878	122	15242	123	15375
128–132	1	130	1	128		1295	18	2341	32	4160	63	8167	100	13000	90	11673
133–137					2	272	5	678	35	4729	41	5544	70	9443	77	10380
138–142	1	141			2	280		1396	12	1673	30	4181	53	7404	56	7831
143-147			1	147	1	145	2	291	5	725	16	2318	22	3189	33	4783
148-152			1				1	150	3	450	13	1940	10	1493	17	2538
153-157	• • •						2	311			5	771	10	1551	7	1081
158-162									3	480	6	958	5	797	5	800
163–167									1	167					2	329
168-172													1	170	4	677
173-177						٠.							2	350	2	352
198-202			1	198	<u> </u>											
Total	22	2340	55	5925	177	19459	251	28780	515	59975	681	81840	815	100224	723	90934

AGE GROUP 15-19—(Concluded)

***		6 Inches	5 Feet	7 Inches	5 Feet	8 Inches	5 Fee	9 Inches	5 Feet	10 Inches	5 Fcet	11 Inches	1 6	Feet	6 Feet	2 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate	Num-	Aggregate	Num- ber	Aggregate	Num- ber	Aggregate Weight
78-82	1	80								Weight	ber	Weight		Weight	Der	Weight
88-92			1	91		• •		• •	• •	• •	• • •	• •		• • •		• •
93—97	1	97					• •	• •		• •	• •	• • •		• • •		• •
98-102	8	802	2	201					i	98	٠.	• •				• •
103-107	11	1153		426	3	315		• •	1		• •	• •	• •			
108–112	36	3970	13	1435					1	110		• •	٠.,			• •
113–117	45	5188	17	1962	6	691	2	230				• •			• •	• •
118–122	82	9827	42	5045	24	2884	8	957			1	120	1	119		• •
123-127	99	12376	49	6126	19	2378	13	1625		125						•
128–132	81	10527	53	6878	24	3108	14	1822	3	394						
133-137	83	11223	46	6215	33	4452	7	947	3	403	2	270				
138-142	54	7542	55	7697	32	4477	21	2931	3	420			1	140		
143–147	46	6659	25	3616	14	2030	9	1305	5	724	1	145	1	145		
148–152	26	3885	28	4201	19	2844	14	2095	5	751	1	150				
153–157	14	2166	15	2322	13	2020	3	467	2	314						
158–162	12	1916		1116	11	1762	5	803	1	160			1	160		
163-167	4	658		1154		661	1	165		164	1	165				
168-172	4	680		340			2	340	1	169						
173–177			2	346	4	698			1	177						
178-182							3	542					1	178		
183–187					2	370					1	183	1	185	1	185
188-192	1		1	190												
193-197		• •			1	194										٠.
198-202						_::	1	200							٠.	
213–217			<u></u>	<u> </u>		214	-		<u></u>	<u> </u>	<u>:-</u>		<u> </u>			
Total	607	78749	369	49361	213	29606	103	14429	28	4009	7	1033	6	927	1	185

AGE GROUP 20-24

	4 Fee	et 1 Inch	4 Fee	t 2 Inches	4 Fee	t 3 Inches	4 Fee	t 4 Inches	4 Fee	t 5 Inches	4 Fee	t 6 Inches	4 Fee	t 7 Inches	4 Fee	8 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight
73—77									·		1	76				
83—87											1	87				
9397															1	96
98-102					1	99								!	3	300
103-107													1	104		
108–112	1	110	1	112					1							
118-122							1	121							2	241
123-127					1	125			2	251						
128-132	1	128	1	130									<u> </u>			
Total	2	238	2	242	2	224	1	121	2	251	2	163	1	104	6	637

$\begin{array}{ccc} TABLE & X & ({\it Continued}) \\ BUILD-WOMEN \end{array}$

AGE GROUP 20-24—(Continued)

	4 Fee	t 9 Inches	4 Feet	10 Inches	4 Feet	11 Inches	5	Feet	5 Fee	et 1 Inch		t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches
Weight	Num- ber	Aggregate Weight														
78—82	1	82												• •		• •
83—87			3	257			1	85					1	85		• •
8892	1	90	3	270	6	541	9	815	6	542	7	637	2	180		183
93—97	3	287	4	380	13	1233	30	2862	43	4098	ŀ	2376		1913		288
98-102	4	399	18	1801	16	1600	83	8295	84	8411	106	10635		9922	45	452 8
103-107	3	314	8	838	20	2100	80	8387	135	14183	220	23118			170	17892
108-112	1	110	15	1643	28	3085	144	15881	178	19627	342	37706	384			43772
113-117	3	346	7	802	27	3104	100	11516	168	19315	331	38124	397	45769		52537
118-122	3	360	11	1315	19	2281	113	13527	198	23696	375	44920		64061	723	86679
123-127	4	500	4	502	13	1629	85	10627	113	14113	278		459	57324		83252
128-132	2	258	5	652	9	1156	57	7384	85	11051	229	29740		43472	576	74808
133-137	1		4	541	6	812	26	3514	67	9050	130	17545	221	29843		50775
138-142	1		2	280	1	140	21	2923	36	5016	94	13134		18460		37851
143-147			l				16	2351	15	2174	44	6373	90	13049	141	20457
148-152			2	300			4	613	19	2849	48	7187	62	9288	114	17086
153-157		l . <i>.</i>					1	156	3	464	11	1703	23	3562	48	7438
158-162		ļ			1	160	1	160	5	798	10	1599	17	2718	54	8631
163-167			١				1	165			3	494	10	1654	14	2307
168-172		1					1	170			5	846	14	2371	19	3227
173-177									1	175	4	700	4	702	4	703
178-182]				3	540	4	721
183-187											•		1	187	3	561
188–192									2	382					1	191
Total_	25	2746	86	9581	159	17841	773	89431	1158	135944	2262	271520	3017	369216	4087	513887

AGE GROUP 20-24—(Continued)

						AGE G	ROUP	20-24(Contin	iuea)						
		5 Inches		t 6 Inches		t 7 Inches		8 Inches		t 9 Inches		10 Inches		11 Inches		Feet
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber_	Aggregate Weight	Num- ber	Aggregate Weight
93—97	4	383	1	97												
98-102	28	2812	8	806												
103-107	82	8652	30	3161	8	842	1	106							1	107
108-112	211	23271	88	9714	33	3654	7	773	1	110	1	110	2	220		
113–117	334	38488	179	20623	59	6803	29	3323	5	574	3	346	2	230		
118–122	505	60585		4 0961	174	20871	59	7088	13	1562	2	238	1	120		
123-127	638	79752		59060		29486	118	14772	37	4632	12	1503	1	126		
128-132	525	68155	1	63312	316	41095	124	16123	58	7546	16	2082	4	518		
133–137	452	60998	368	49692	294	39719	186	25112	57	7703	25	3378	5	681	1	135
138–142	343	47969		51042	273	38206	159	22258	75	10504	29	4046	2	280	1	142
143–147	193	27966	193	27983	171	24774	131	18974	53	7673	24	3476	6	862	3	436
148–152	172	25758	187	27997	163	24399	124	18572	76	11378	34	5097	12	1798		
153-157	75	11622	89	13790		13012	51	7896	43	6658	15	2318	8	1236	1	155
158–162	65	10380	81	12953	57	9120	51	8148	30	4804	22	3515	5	800	2	320
163–167	30	4945	40	6598	31	5120	32	5262	18	2960	13	2143	8	1309	4	661
168–172	16	2709	23	3902	19	3219	16	2717	14	2374	6	1019	6	1020	2	337
173-177	9	1576	19	3309	19	3320	16	2800	6	1049	7	1226	5	880		
178–182	1	1252	15	2696	11	1974	12	2159	4	718		724	2	358		
183–187 188–192	4	737	4	739	:	1110	6	1107	2	370			1	187		
193–19 <i>2</i> 193–197	1 1	190	2	380		949	9	1709	2	379			2	382	1	188
193-197 198-202	<u> </u>	195	1	195		194	1	195		195	2	392			1	195
203-207		• • •	1	200	3	598	1	200	2	398			1	200	1	200
208-212		• •	٠.	• •	• •	• •	::	210	• • •		1	203	••			
218-222	• •	• • •		• •	1	222		210	• • •		1	210	1	208		
223-227		• •		• • •	1	222	••	• • •	• •	• •	. :		٠.			
243-247		• •			• •	• •	٠.	• •		246	1	225	• •			
Total	3695	478395	2004	200210	1064	260607	1124	150504	100	246						<u></u>
Total	3093	4/0090	∠99 4	399210	1904	268687	1134	159504	498	71833	_218	32251	74	11415	18	2876

AGE GROUP 20-24-(Concluded)

	6 Fee	et 1 Inch	6 Fee	t 2 Inches	_6 Fee	t 3 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
138-142			1	142	1	140
158–162	1	162				
163-167	1	167				
168-172	1	170			1	168
178-182					1	180
Total	3	499	1	142	3	488

AGE GROUP 25-29

Weight		t I Inch	4 Fee	2 Inches	4 Feet	4 Inches	4 Fee	t 5 Inches	4 Fee	t 6 Inches	4 Fee	t 7 Inches	4 Fee	t 8 Inches	4 Fee	t 9 Inches
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Agg.egate Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
83—87			·												3	257
88—92											1	90			1	89
93—97									1	97			2	190	5	476
98-102	1	100	1	100			1	99	1	102					3	299
103-107				• • •			1	105					2	212	2	209
108-112	1	108	2	224	٠.	• •	1	112			1	110	3	330	4	436
113–117			1	114			1	115							2	232
118-122					1	118	1	120		120			1	120	4	481
123-127							1	126					1	125	3	377
128–132	2	258											1	132	5	648
133–137				.,											4	539
138–142						• •									3	418
143-147					1	146										
183–187	<u> </u>		<u> </u>	<u>··</u>					1	185	<u></u>					
Total	4	466	4	438	2	264	6	677	4	504	2	200	10	1109	39	4461

AGE GROUP 25-29-(Continued)

						AGE GI	ROUP	25-29(Contin	ued)						
377-1-1-4		10 Inches		11 Inches		Feet		et 1 Inch		t 2 Inches		t 3 Inches		t 4 Inches		t 5 Inches
Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Agg.egate Weight	Num- ber	Aggregate Weight
78-82		. .		• • • • • • • • • • • • • • • • • • • •			1	80					<u> </u>	•••		
8387	3	259	2	173			2	174			1	86	1	87	l	
88—92	3	270	6	546	12	1082	8	723		274	3	272	1	88	2	181
93—97	10	951	13	1240	57	5442	42	3999	39	3712	26	2466	10	960	2	190
98-102	10	1005	30	2991	103	10284	112	11231	161	16155	121	12311	84	8455	30	3018
103-107	14	1472	27	2833	116	12168	175	18375	251	26375	247	25933	228	23997	93	9813
108-112	12	1319	45	4963	184	20128	229	25214	383	42176	410	45203	462	50934	274	30219
113–117	11	1268	24	2763	127	14610	205	23568	470	54109	481	55434		62387	403	46421
118-122	15	1797	41	4909	158	19033	212	25378	484	58049	650	77810	863	103452	635	76171
123-127	5	624	23	2866	97	12136	190	23771	420	52466	643	80344		112120	822	102779
128–132	7	914	18	2345	95	12336	148	19211	330	42916	485	62953		96633	709	92055
133–137	3	403		2696	66	8913		12819	206	27790	311	41968	551	74372	638	86160
138–142	6	838	12	1674	49	6853		11188	171	23907	274	38272	422	58975	547	76432
143–147	1	145	7	1011	29	4214		6097	92	13342	151	21883		37504	271	39301
148–152	1	150		302	26	3894	31	4641	88	13182	128	19192	232	34785	287	42987
153–157	1	153	3	463	12	1860		2165	36		63	9761	112	17342	122	18909
158–162					10	1598	19	3032	44	7029	53	8480		15984		23172
163–167					3	493		988	18	1	36	5936	56	9228	85	14025
168–172			1	170	3	507		339	5	844	16	2712	42	7129	71	12049
173–177					1	175	2	34 8	1	175	9	1572	15	2621	29	5074
178–182									4	726	8	1442	12	2156	25	4495
183–187						• •	1	185	2	372	2	370	4	744	11	2033
188–192						• •	1	190		• •	4	758	5	951 193	10	1896
193–197				• • •		• • •	••	• •	· :	200	3	586	3	193 599	5	1000
198-202								• •	1	200	• •	• •	J	399	1	205
203-207					• • •		٠٠.	• •		• • •		210	• •	• •	1	203
208–212	<u> </u>		<u></u>		<u> </u>				<u> </u>		1 2 2			701606	5015	<u> </u>
Total	102	11568	274	31945	1148	135726	1617	193716	3209	392324	4126	515954	5646	721696	5217	688585

AGE GROUP 25-29-(Continued)

	F 2 = .	4 T 1 - 1	5 Foot	7 Inches	5 Feet	8 Inches	5 Fcet	9 Inches	5 Feet	10 Inches	5 Feet	11 Inches	6	Feet	6 Fe	et 1 Inch
Weight	Num-	6 Inches Aggregate		Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight 97	_ber_	Weight	_ber	Weight
93-97	1	97				• •		• •		• •	1	. 97		• •		• •
98-102	9	903	2	198				105	• •	• •	• • •	• •		• •	· · ·	• •
103-107	37	3885	11	1159		105	1	105	. ;	110		• •	2	225	• •	• •
108-112	141	15571	59	6524	14	1554	1	112	I I	110	';	115	2	223	• •	• •
113-117	216	24886	95	10942	42	4836	4	462	Ţ	117	1	115	1 :	122	٠.	• •
118-122	422	50621	187	22393		9718	18	2167		122		358 497	1 1	122		• •
123-127	605	75691	287	35917	143	17904	31	3885	6	746			1	130		• •
128-132	598	77738	399	51887	186	24167	56	7271	16	2082		1042	1 1	130		• •
133-137	563	76000	363	49019		28082	61	8240	28	3790		1219		697		• •
138–142	521	72910	351	49024		33672	58	8112	31	4337	9	1258 434) 1	145	٠٠	• •
143–147	316	45803		34210			60	8705	31	4476		2998	1 2	448		• •
148–152	326	48851	235	35196				7195	40	6002	20		3	156		• •
153–157	137	21245		19843		18912	33	5112	26	4040		1713	1 5	802		• •
158–162	173	27670		20779		18706	55	8779	27	4315		1123		165	1	166
163–167	123	20299	_	10379		12522	30	4946	17	2806		825	1 2	513		100
168–172	99	16799		11034		9676	28	4758	16	2709		506	3	175		• •
173–177	50			8739			20	3505	7	1224		701	1	1/3		• •
178–182	31	5582		8096	-	6651	13	2338		1978		540		372	٠٠.	• • •
183–187	10	1		4067	1		10	1851	6	1115		370	2 2	372	l	• •
188–192	9	_	1 1	2282		1329	5	949	5	950		571	2	301	l	• • •
193–197	3			777			7	1366	8	1562	2	388	1	200	l	• • •
198-202	2		•	1198	6		3	598	4	802	6	1196	1	200	l • ·	• • •
203-207	1	205		.::	2	408		205	1	203		210		• • •		• • •
208-212	1	210	1	210		420	1	210	1	209	1	210	••		٠٠.	
213-217	1		$\frac{1}{1}$	215				• • •		• • •		• • •]	
218-222	1	218	•				1 ::	.::				• •		• • •	1	225
223-227			<u></u>		.		<u> </u>	225						4701	<u> </u>	
Total	4395	598477	2752	384088	1774	255414	545	81096	284	43695	105	16161	31	4791	2	391

AGE GROUP 25-29—(Concluded)

			HGB GROCK 20 27 (COMMUNICATION)
Weight	6 Fee Num- ber	Aggregate Weight	4
163–167 173–177	1 1	165 177	·I
Total	2	342	

AGE GROUP 30-34

	4 Fee	t 2 Inches	4 Fee	t 4 Inches	4 Fee	t 5 Inches	4 Fec	t 6 Inches	4 Fee	t 7 Inches	4 Fee	t 8 Inches	4 Fee	t 9 Inches	4 Feet	10 Inches
Weight	Num- ber	Aggregate Weight														
83-87											1	85			1	85
8892									1	90	l		3	269	5	451
93—97	1	95									2	191	4	378	5	475
98-102			1	100					3	302	1	100	6	600	10	999
103-107	2	208]]				l				9	938
108-112											3	330	6	667	16	1765
113–117			1	113	1	117							2	230	12	1378
118–122			1	118			1	120			1	118	8			1078
123-127			1	123			1	125			2	251	3	377	11	1376
128-132					1	128					1	130	5	648	9	1170
133–137		٠									١				5	677
138–142										١	1	140	1	140	8	1120
143–147									١		1	143	١		2	290
148–152											l	١	1	150	4	602
153–157	<u></u>										٠.				1	156
Total	3	303	4	454	2	245	2	245	4	392	13	1488	39	4420	107	12560

AGE GROUP 30-34—(Continued)

377.1.1.4		Il Inches	5	Feet	5 Fee	t I Inch	5 Fee	2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches	5 Fee	t 6 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate
83-87	2	170	4	342				Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
8892	6	541	10		7	640	9	809	5	455	';	92		• • •	• •	• •
9397	11	1053	22	2091	35	3334	28	2673	19	1805	13	1238		96	• •	• •
98-102	24	2394	62	6202	94	9398	115	11526		8406	-~	5506	19	1909	11	1106
103-107	29	3046	109		104	10930	199	20923	186	19578	162	17031	64	6743	17	1786
108-112	30	3299	169	18651	202	22231	330	36379	344	37852	347	38211	183	20203	91	10029
113-117	31	3568	123	14153		20376	361	41541	382	44002	415	47777	294	33854	134	15460
118–122	26	3118	115	13777	209	25033	386	46265	532	63767	676	81089	452	54247	291	34901
123–127	20	2499	128	16003	139	17358	315	39395	467	58384	690	86263	613	76666	434	54317
128–132	16	2075	105	13649	143	18568	306	39769	456	59186		76063	623	80912	497	64634
133–137	11	1489	67	9058	99	13370	226	30512	337	45491	621	83547	590	79538	495	66861
138–142	16	2234	62	8661	70	9791	212	29659	288	40251	462	64634	552	77146	417	58324
143147	5	728	42	6098	66	9584	106	15378	151	21907	285	41346	328	47548	300	43496
148-152	6	902	33	4943	51	7648	123	18441	184	27573	335	50210	322	48274	327	49016
153–157	4	620	13	2011	27	4187	62	9601	111	17204	156	24175	162	25100	175	27156
158–162	2	321	24	3833	15	2402	67	10716	97	15503	185	29580	197	31491	225	36004
163–167	2	330		165	13	2136	33	5442	62	10226	105	17306	128	21101	136	22426
168-172			3	510		1185	23	3892	45	7640		13247	106	17991	114	19349
173-177	1	175	1	175	2	351	9	1566	18	3154	1	8212	62	10850	81	14153
178–182	1 .:				2	360		898	4	717	23	4137	36	6465	72	12948
183-187	1	184	1	184	1	185	3	555		1664		2766	22	4073	35	6474
188-192		• •			1	190		758	-	572	6	1141	5	950	20	3807
193–197							2	390	3	585		780	3	585	7	1364
198-202			٠.,		2	400				20.5	2	396	5	998	11	2196
203-207	l · ·								1	205	1	204	2	412	1	206
213-217					• •			• •	• •	• •	.;	220	1	213	• •	
218-222 223-227						• •		• •	• •	• •	1 1	220	::	224		225
			1001		<u> </u>	170657		267000	4700	406107	5050		1 1 1		1 2000	
Total	243	28746	[1094	132868	1466	179657	2924	367088	3788	486127	[5272	695171	4771	647589	3892	546238

AGE GROUP 30-34—(Concluded)

	5.70		5 8	6 O Turali an	E Dan			10 Inches	E Foot	11 Inches		Feet	6 Fo.	et 1 Inch	6 Foo	t 2 Inches
Weight	Num-	t 7 Inches Aggregate	5 Fee Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate
	ber	Weight	ber	Weight	her	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight	ber	Weight
98-102	1	101		·												
103-107	7	736							1	105						
108–112	23	2543	8	886	1	110							1	110		
113–117	48	5546	17	1965	5	577										
118–122	150	17974	44	5394	16	1910			2	242	1	120				
123–127	193	24157	72	9108	.21	2626		1131	1	125			1	125		
128-132	296	38494	132	17168	45	5850		905	4	520	٠.		1	130		
133-137	336	45399	163	22029	45	6088	17	2306	4	539	1	135				
138-142	302	42197	165	23076	60	8399	33	4621	3	421				• •		
143-147	196	28447	138	20033	47	6824	16	2329	5	726	1	145	٠.			
148–152	213	31918	140	20983	64	9597	29	4343		2093	4	600				
153-157	101	15660	80	12408	38	5890	11	1709	1 1	310	1	155				
158-162	151	24120	104	16633	55	8792	23	3685		962	2	320				
163-167	98	16157	66	10895	32	5277	8	1319	8	1326	2	330				
168-172	87	14759	68	11542	33	5611	16	2718	5	853	4	678		. : :		
173–177	57	9971	53	9265	18	3150	11	1923		1052	1	177	1	175		
178–182	55	9901	46	8268	18	3234	7	1256	3	539					1	180
183–187	37	6850	29	5365	15	2774	7	1295								
188192	26	4931	18	3416	12	2283	1	190		567		_ : :			٠.	
193-197	11	2149	10	1955	9	1757	2	389	5	977	3	587	1	195		
198-202	11	2202	9	1797	8	1599	3	599	3	598	1	200				
203-207							2	410	1	205	1	205				
208-212	1	211	4	840			3	625		. : :	I	210		٠.		
213-217					1	217	1	214	2	432						
218-222	1	220												• •		
223-227					1	225										
228-232					1	230								• •		
233-237	1	234					[[٠.	• •	
238-242	1	239												<u> </u>	<u> </u>	
Total	2403	345116	1366	203026	545	83020	206	31967	78	12592	23	3862	5	735	1	180

AGE GROUP 35-39

	3 Feet	II Inches	4	Feet	4 Fee	t 3 Inches	4 Fee	t 4 Inches	4 Fee	t 5 Inches		t 6 Inches	4 Fee	t 7 Inches	4 Fee	t 8 Inches
Weight	Num- ber	Aggregate Weight														
83-87	1	85													1	85
88—92															1	90
9397															1	96
98–102													1	102	1	100
103-107													1	105	. ,	424
108-112							1	108					1	110	2	220
113–117									1	115	1	115			1	115
118–122			1	119	1	120								• •		
123–127		٠									1	127			1	. 123
128–132															1	130
133–137							1	136			1	135		. • •		
138–142												٠			1	142
143–147					٠.				1	145						
153–157							1	157					• •	<u> </u>		
Tota1	1	85	1	119	1	120	3	401	2	260	3	377	3	317	14	1525

AGE GROUP 35-39—(Continued)

	4 Fee	t 9 Inches		10 Inches	4 Feet	11 Inches	5	Feet	5 Fe	et I Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches
Weight	Num- ber	Aggregate Weight														
7882							1	82	<u> </u>		<u> </u>		<u> </u>		<u> </u>	
8387							5	428			l	i				
8892	1	90	2	180	2	182	4	364	9	812	1	92	7	631	1	90
9397			6	569	5	479	19	1802	13	1239	9	864	9	858	9	859
98-102	3	300	15	1500	12	1193	49	4891	53	5297	62	6226	48	4811	29	2896
103-107			4	424	16	1677	48	5041	77	8096	126	13252	101	10608	65	6842
108–112	9	989	12	1319	24	2643	89	9801	121	13345	195	21504	204	22484	222	24475
113–117	2	231	5	574	20	2295	100	11505	114	13123	243	27971	217	25020	228	26251
118–122	5	602	12	1444	21	2518	113	13533	150	17841	293	35079	300	35945	409	48973
123-127	8	1001	8	999	10	1246	98	12256	121	15111	259	32391	332	41538	451	56360
128–132	2	258	4	518	21	2731	83	10790		14543	236	30602	274	35600	439	57004
133–137	1	137	2	271	19	2570	78	10540	117	15784	214	28915	272	36724	429	58094
138–142			5	697	16	2228	60	8372	94	13147	159	22251	280	39149	432	60358
143–147			1	145	5	724	42	6091	58	8410	111	16090	148	21472	228	33004
148–152	• •		4	596	6	904	45	6741	60	8990	141	21155	173	25917	309	46328
153-157	٠.		1	155	5	774	20	3094	27	4177	51	7907	104	16113	158	24491
158–162	1	159	1	160	5	796	19	3034	32	5115	62	9915	98	15665	203	32457
163-167		• •	1	165	1	165	7	1158	16	2642	30	4952	61	10050	104	17178
168–172	• • •	• •		• •			4	678	11	1873	15	2547	51	8670	84	14233
173-177	• • •	• • •		• •	1	175	5	877	4	702	9	1578	18	3147	53	9270
178–182	• • •			• •			3	543	2	360	10	1796	15	2703	34	6115
183–187		• • •	• •	• • •	· ;	100			1	184	1	183	11	2032	13	2407
188–192 193–197	• •	• • •	• •	• • •	1	190	Ţ	190	2	379	3	568	3	573	10	1897
193-197			• •		• • •		1	195	• •		2	387	2	391	3	582
203-207				• •			[• • •	• •	• •			1	198	4	797
208-207					• •	• • •		• • •	· ;	.:.	• •		• •		1	204
223-227	• • •				• •	• • •			1	210			٠.		1	210
		2767	0.2	0716	100	00400				<u> </u>					1	225
Total	32	3767	83	9716	190	23490	894	112006	1195	151380	2232	286225	2729	360299	3920	531600

$\begin{array}{c} \textbf{TABLE} \ \ \textbf{X} \ \ (\textit{Continued}) \\ \textbf{BUILD--WOMEN} \end{array}$

AGE GROUP 35-39-(Continued)

	5 Feet	5 Inches	F 70					35-39(
Weight	Num-	Aggregate	Num-	t 6 Inches	5 Fee	t 7 Inches		t 8 Inches		t 9 Inches		10 Inches		11 Inches	6	Feet
	. ber	Weight	ber	Aggregate Weight	ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Agg.egate Weight	Num- ber	Aggregate Weight
8892	1	92											-//			Weight
9397	4	382			1	95				• •		• •				• • •
98-102	17	1706	7	702			1	100		• • •		• •	1			• •
103-107	50	5258	19	2002	3	315	1	104	1	103	'i	105				• •
108-112	130	14348	47	5200	13	1434	3	327	$\bar{1}$	110		100	1	112	3	332
113-117	183	21069	91	10492	29	3343	8	922	1	115	l i	117	1	112		002
118–122	272	32730	176	21122	73	8745	20	2411	9	1081	^	11,		• •	• •	• •
123-127	381	47607	266	33295	116	14509	46	5740	6	749	2	246	3	374	2	247
128–132	428	55743	273	35458	165	21473	57	7409	15	1946	5	653	3	390	$\tilde{1}$	130
133–137	477	64424	346	46761	221	29851	95	12823	32	4332	9	1217	ĭ	135	î	136
138-142	418	58238	345	48403	232	32439	122	17089	38	5307	11	1541	3	421	2	282
143-147	247	35851	200	29024	152	22055	92	13333	35	5072	23	3337	2	290	1	145
148-152	275	41220	261	39078	180	26959	96	14376	60	8993	20	3006	12	1804	4	596
153-157	173	26828	139	21581	110	17051	81	12575	21	3254	7	1086	5	781	- 1	
158-162	218	34815	203	32438	157	25083	68	10879	35	5591	12	1918	2	320	2	318
163-167	144	23748	134	22105	103	16988	56	9231	22	3622	12	1974	1	165		010
168-172	129	21891	115	19530	105	17824	58	9842	34	5764	16	2717	5	848		
173-177	90	15752	86	15056	79	13826	50	8749	27	4719	7	1223	4	698	3	525
178–182	43	7733	65	11689	65	11704	49	8808	22	3962	11	1975	3	540	1	182
183–187	21	3882	30	5543	34	6302	28	5190	16	2970	3	555	2	370	3	554
188–192	13	2469	14	2673	18	3413	27	5131	10	1903	4	761	1	189	1	190
193-197	1	194	14	2754	9	1755	14	2731	4	779	3	583	4	779	1	196
198-202	6	1201	5	998	14	2787	17	3400	6	1200	6	1200	2	398		
203-207			2	408			2	409	2	409						
208-212	3	628	2	420	4	836	6	1259	2	421	1	209	, .]			
213-217			1	215												
218-222			1	220	1	220		• •							1	220
243-247				• •							1	244				
248-252			1	250												
Total	3724	517809	2843	407417	1884	279007	997	152838	399	62402	155	24667	54	8614	26	4053

AGE GROUP 35-39—(Concluded)

	6 Fe	et 1 Inch	6 Fee	t 2 Inches	6 Fee	t 4 Inches	6 Fee	t 5 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
118-122				. ,	1	119		
158-162			1	162				
178–182	1	180						
183–187	1	185						
208–212	1	212						
218–222		• • •					1	220
Total	3	577	1	162	1	119	1	220

AGE GROUP 40-44

	4	Feet	4 Fee	t 3 Inches	4 Fee	t 4 Inches	4 Fee	t 5 Inches	4 Fee	t 6 Inches	4 Fee	t 7 Inches	4 Fee	t 8 Inches	4 Fee	t 9 Inches
Weight	Num- ber	Aggregate Weight														
68-72			·						2	144						
8387									1	85	2	170			1	84
93—97													1	93		
98–102											2	200	2	198	2	200
103-107													1	106	1	105
108-112			1:	110									1	110		
113–117								• • •					1	115	2	231
118–122			1	119	1	121							2	240	3	359
123–127	1	125											1	125	1	124
133–137															3	405
138-142							1	142							2	278
148–152															1	148
158–162															1	160
Total	1	125	2	229	1	121	1	142	3	229	4	370	9	987	17	2094

AGE GROUP 40-44—(Continued)

	4 Fect	10 Inches	4 Feet	II Inches	5	Feet		et i Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches
Weight	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
	ber	Weight	ber	Weight	ber	Weight	ber	Weight	_ber_	weight	Dei -	Weight	- Dei	Vy Cigit		Weight
83—87		• •	5	435	.;		1	85 90	3	271	';	91	';	90		• •
8892			5	452	1	90	1		-	1523	5	476	3	284	1	• •
93—97	3	287	4	379		1048	9	860	16			2104	16	1613	6	601
98–102	2	198	8	804		2405	35	3504	34	3408	52	5471	34	3578	1	
103-107	4	422	10	1053	_	3792	31	3251	49	5167	,	10355	91	10022	61	2003
108–112	10	1100		1990		7040		7615	107	11778			1	13246	78	6735
113–117	4	463		1151	50		72	8285		16259	122	14077	115	-		8989
118–122	6	720		1802			81	9692	159	19039	195	23368	232	27832	147	17651
123-127	6	755		1	-	5110		9007	147	18381	183	22889	255	31874	203	25378
128-132	6	772	10			8445		11165	139	18036	178	23140	280	36372	212	27573
133–137	5	675		1			67	9062	157	21211	174	23510	234	31615	245	33103
138–142	8	1119				6293		9386	140	19585	176	24589	268	37470	246	34392
143-147	2	292				5064	42	6097	98	14228	134	19418	193	27988	177	25645
148–152	1	150	13				49	7332	106	15879	161	24114	207	31027	210	31467
153–157			1	155			32	4959	54	8364		11299	134	20768	127	19694
158–162	2	321	4	640			27	4317	78	12483		14071	162	25904	155	24789
163–167]			9		14	2303	38	6274		10051	105	17330	121	19960
168–172	1	171			2			510	28	4749	54	9163	73	12393	89	15114
173-177	1	177	1					1053	15	2624		4021	58	10141	77	13462
178–182	١.,		1	180				180		1799	26	4677	28	5037	42	7557
183-187					2	370	4	737	4	737	6	1114	18	3326	19	3512
188–192									3	569	5	950	8	1516	16	3047
193–197					1	195	1	193	2	392	1	194	3	587	4	781
198-202			٠.				1		1	202	5	998	3	600	3	600
203-207									1	206					3	612
208-212	!						i						2	420	2	418
218-222											2	436			2	439
223-227	į						<u> </u>		_ <u></u>		<u> </u>		1	225		
Total	61	7622	144	17659	549	70228	770	99683	1530	203164	1840	250576	$252\overline{4}$	351258	2264	323522

AGE GROUP 40-44—(Continued)

-	5 Feet	6 Inches	5 Feet	7 Inches	5 Fee	t 8 Inches	5 Feet	9 Inches	5 Feet	10 Inches	5 Feet	11 Inches	6	Feet	6 Fe	et 1 Inch
Weight	Num- ber		Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
98-102		weight	1	102									Der	weight		weight
103-102		738	2	210	1	105		• •		• •		• • •	ľ	107		• •
108-112	19	2094	3	328		328		• •	'			• •	_			• •
113-117	35	4029	11	1268		463				• •		• •	٠	• • •		• •
118–122	73	8772	37	4449	_	1680	1	122		• • •	1	120	٠	• •		• •
123-127	150	18775	47	5876		2872	5	629	2	248			2	251		• • •
128-132	142	18431	89	11550		4157	4	518	ī	128	4	520		130		• •
133–137	187	25266	80	10823			10	1351	$\frac{1}{4}$	544	2	272				• •
138-142	208	29129	116	16213			16	2240	4	562		212	٠.		•	••
143-147	138	20043	71	10297	43	6235	13	1883	6	867	2	289			• •	• •
148-152	158	23654	103	15434	66	9890	22	3294			6	896	1			• •
153-157	114	17667	61	9441	32	4961	7	1084			ĭ	157		155	٠٠	• •
158-162	133	21279	80	12798	50	7984	18	2881	5	798	3	480				• •
163-167	95	15671	68	11216	32	5274	18	2963	6	995	-	163		166	''	
168-172	91	15448	64	10883	44	7489	13	2214	5	852		342		100		• •
173–177	72	12604	42	7347	50	8734	19	3322	7	1225	4	699		176		
178–182	63	11317	54	9715	27	4861	17	3055	9	1616	3	544	1	180		360
183187	33	6090		4621	27	4980	15	2785	2 7	370			Ī	185	_	
188–192	15	2849	12	2285	18	3421	13	2470	7	1327	2	382			1	
193–197	13	2537	11	2145			. 3	58 3	2	390		390		195	l i	195
198–202	9	1799	10	1998			8	1598	4	800		200		200	_	
203-207	2	412	2	406	_	0 - 0	3	617	2	409			ī	206		
208-212	1	210	1	210		208	1	209	1	212			1 1	209		
213-217	2	428	2	432									1	215		
218-222				. : :			2	436								
228-232	٠.		1	230												
233–237		· ·	<u> </u>		<u> </u>								1	237	1	236
Total	1760	259242	993	150277	585	91390	208	34254	85	14087	34	5454	15	<u> </u>	<u> </u>	

AGE GROUP 40-44-(Concluded)

577.5 4.4		t 2 Inches	6 Fee	t 3 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
198-202	1	198		
223-227			1	223
Total	1	198	1	223

AGE GROUP 45-49

Weight		t 2 Inches		t 4 Inches	4 Fee	t 5 Inches	4 Feet	6 Inches	4 Fee	7 Inches	4 Fee	R Inches	4 Feet	9 Inches	4 Feet	10 Inches
	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight										
98-102					1	100					2	201	1	102	4	396
103-107					_			• •		• •	-	201	1	102	1	105
108-112				• •	• •		1	110	1	110		110	١٠:	220		
113–117		115	٠.			• • •	1	110	1	110	1	110	2	220	4	442
	1	115	l ::				• •	• •			• •	• •	2	231	5	5 75
118-122		• •	1	118							1	118	2	238	7	840
123–127											1	123	2	250	6	753
128–132							1	130					l		6	778
133–137		٠.											2	270	2	272
138–142													2	280	5	700
143–147					1	147									3	436
148–152													1	150	4	597
153–157											1	155			2	308
158–162															2	318
163-167	<u> </u>														1	167
Total	1	115	1	118	2	247	2	240	1	110	6	707	14	1741	52	6687

AGE GROUP 45-49-(Continued)

	4 Feet	II Inches	5	Feet	5 Fe	et 1 Inch	5 Feet	2 Inches	5 Feet	3 Inches	5 Fee	t 4 Inches		5 Inches	5 Feet	6 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight												
7882	1	80														
83—87			2	170												
8892	2	177	5	452	1	90										
9397			4	381	3	291	3	286	7	671	5	476	1	97		
98-102	9	898	19	1903	12	1201	26	2607	8	798	8	800	8	808	1	9 9
103-107	4	420	15	1579	26	2739	28	2935	21	2214	10	1052	3	313	1	103
108–112	12	1321	25	2754	26	2860	53	5830	54	5927	36	3959	32	3503	6	664
113–117	7	809	22	2530		6216	71	8181	43	4962	45	5190	40	4625	13	1493
118–122	10	1198	46	5517	45	5397	104	12441	93	11139	136	16325	59	7076	44	5272
123–127	12	1502	49	6126	40	4992	100	12531	94	11766	138	17246	118	14767	56	6996
128–132	3	388	38	4931	39	5076	89	11557	113	14684	141	18327	122	15864	55	7157
133–137	9	1218	26	3514	44	5951	88	11885	115	15531	166	-	135	18232	85	11484
138–142	11	1533	27	3767	54	7559	107	14963	116	16215	156		133	18610	87	12154
143–147	6	875	33	4787	34	4935	94	13659	101	14655			103	14948	81	11753
148–152	6	898	20	2995	59	8847	83	12445	107	16041	155		116	17376		13631
153–157	1	155	8	1239	24	3728	40	6209	50	7750		11014	71	11025	53	8224
158–162	2	320	14	2237	25	4002	81	12950	81	12961	95	15197	110	17586	91	14557
163-167	4	656	5	823		2971	33	5441	48	7908	70	11530	72	11882	73	12049
168–172			1	171		1016	18	3051	38	6438		11205	70	11885		12215
173-177	1	175	4	701			9	1569	18				51	8928		9785
178-182	1	180	1	180		540	2	360	12	2155			32	5754		7018
183-187			••		1	185	7	1300	9	1666	-	1485	11 9	2036 1711	26 17	4814 3227
188–192	• •		••		• •	• •	2	380	5	951	6	1141 390	7	1367		
193–197		• •	• •	• •		• •	1	195	3	581 200	2 4	1	3	1307 596		
198-202		• •	••	• •		• •	• •	• •	1	200	7	205	1	205		410
203-207		• •	••	• •	• •	• •	• • •	• •		• •	1	203	3	628		418
208-212		• •	••	• •		• •	• •	• •		• •	1 :	215	2	430		430
213-217		• •		• • •		• •	• •		2	438	1	213	2	430	'l ⁻	430
218-222		• •		• • •		• •	• •	• •			''				1	230
228–232		10002	264	16757	514	(0506	1020	140777	1120	150001	1400	210244	1212	100252	074	l———
Total	101	12803	364	46757	514	68596	1039	140775	1139	158801	1490	210344	1312	190252	974	148127

$\begin{array}{c} TABLE~X~(\textit{Continued}\,)\\ BUILD-WOMEN \end{array}$

AGE GROUP 45-49—(Concluded)

	5 Feet	7 Inches	5 Feet	8 Inches	5 Feet	9 Inches	5 Feet	10 Inches	5 Feet	Il Inches		Feet		t 2 Inches	
Weight	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate , Weight	
98-102	1	102													
103-107									1	107					•
108-112	8	880	2	221					1	111	1	109			
113-117	4	459	1	115											
118-122	12	1436	4	482	2	241	1	118	1	122		• • •			
123-127	13	1627	5	626	1	125						• • •			
128–132	34	4427	17	2209	4	518	1	128		• •					
133–137	47	6350	-	1762	6	1	2	269						• •	
138–142	50	7003		3917	13		3	418							
143-147	46		22	3191	12	1	::			• •				• • '	
148–152	65			5695										• • • •	
153–157	38		1			1084		308		155				• •	
158-162	51			4955		į.		958		646				• •	
163-167	46					1	5	821				• •	٠٠.	• •	
168–172	44					1	2	338			1 ::	175		• •	
173-177	28					i .	5	873	_	525		175		• •	
178-182	41						3	542	1	182		• • •	' i	185	
183–187	19			-				570	i	190	٠.	• • •	1	103	
188-192	16									190	٠٠.				
193-197 198-202	14			1			-	200		802	i	200	1		
203-207	4				1 -	600	1 1	200	7	207	_		l .	• • •	
203-207 208-212	4		-				1	212	1	207			1	• •	
218-222	1		_		I -				'i	220	i	220		• •	
223-227	2				ļ · ·				_	1	ı				
233-237	1		1				li	235			::		::		
Total	596			49798	124	20042	49		1		4			185	
LULAI	JJU	70200	שוט ויי	77190	124	20042	1 77	1 0070	1 17	0207		104	1 1	100	

AGE GROUP 50-53

						A	GE G	KUUP 50	1-00							
*** ! ! .		3 Inches	4 Fee	t 5 Inches		t 7 Inches		t 8 Inches	4 Fee	9 Inches	4 Feet	10 Inches	4 Feet	II Inches		Feet
Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- her	Aggregate Weight	Num- her	Aggregate Weight
93—97							1	95							1	94
98-102									1	98	3	299	1	100	3	298
103-107									1	105	7	746	2	208	4	419
108-112									1	110	3	327	9	994	20	2209
113–117											1	113	3	344	10	1152
118–122									3	361	2	240	10	1196	19	2270
123–127	1	124							1	125	3	379	10	1254	15	1878
128-132					1	128	1	128	5	652	5	651	9	1169	20	2598
133–137									2	270	5	674	6	814	21	2843
138–142											6	838	4	557	16	2247
143–147			٠.) . <i>.</i>				1	145	1	147	2	290	21	3046
148–152			1	150							2	300	10	1498	21	3148
153–157							٠.				3	465	2	310	7	1091
158–162								i					4	640	23	3668
163–167								٠.							5	827
168-172		٠.											2	339	1	170
173-177											1	175	1	173	l	
183-187	1										٠.				1	183
193-197	I				1										1	196
198–202	<u> </u>		<u> </u>				· ·				ļ				1	200
<u>Total</u>	1	124	1	150	1	128	2	223	15	1866	42	5354	75	9886	210	28537

AGE GROUP 50-53-(Continued)

Weight		et 1 Inch	5 Fee	t 2 Inches	5 Feet	3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches	5 Fee	t 6 Inches	5 Ree	t 7 Inches	5 Fee	t 8 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate	Num-	Aggregate
78-82			1	79		weight	_ber_	Weight	_ber	Weight	ber	Weight	her	Weight	ber	Weight
9397	3	286		, ,		93	1	97		• •	• •	• •		• •		
98-102	2	200		802	5	500	5	497		102	• • •					• •
103-107	9	948		735	9	945	3	312	1 1	102	• •	• •	 2	212		107
108-112	16	1764	20	2202	20	2213	16	1750	7	768		• •		212	1	107
113-117	19	2188	30	3459	27	3116	24	2756			2	232	1	115		• •
118–122	26	3119	47	5627	50	5996	56	6733	26		13	1561	2	239	2	239
123-127	24	2996	58	7260	46	5753	60	7518	40		27	3379	12	1493	2	249
128-132	27	3518	38	4941	33	4279	74	9616	37	4811	31	4035	19	2474	3	388
133-137	32	4329	37	4992	56	7582	74	10008	53	7168	24	3245	12	1616	7	950
138-142	27	3772	54	7552	69	9653	75	10490	54	7544	49	6848	22	3087	14	1958
143-147	22	3202	41	5948	47	6813	62	9008	47	6810	28	4053	17	2472	8	1159
148-152	28	4196	48	7187	54	8090	64	9594	79	11833	34	5094	32	4793	9	1349
153-157	16	2487	30	4653	28	4349	27	4193	32	4957	28	4339	9	1399	5	774
158-162	21	3354		4646	46	7349	62	9920	64	10233	49	7828	26	4168	11	1758
163-167	10	1650		6109	27	4455	46	7588	35	5773	32	5276	15	2473	6	990
168-172	4	676		1693	20	3389	25	4249	30	5102	45	7630	23	3911	3	506
173-177	3	524		1753	15	2625	23	4022	36	6300	19	3322	17	2973	11	1926
178-182	4	714		895	3	538	20	3598	18	3236	13	2335	20	3590	8	1438
183–187 188–192	'	• •	4	742		552	5	927	8	1475	6	1108	11	2037	7	1293
193–19 <i>2</i> 193–197				• •	2	379	4	760	8	1516	6	1141	11	2096	3	571
198-197		200		• •	1	193		400	1	195	8	1568	1	193	3	583
203-207	1	200	1	206	1	200	2	400	2	400	3	598	2 2	400	12	2400
208-212			1	206	''			• •	٠.,	• •	2	411 210	2	408 210	1	210
213-217			• •	• •			• •	• • •			1		1	210	1	210
218-222						• •		• •		• •	• •	• •	1	220		• •
Total	294	40123	515	71481	563	79062	728	104036	589	87607	420	64213	259	40794	116	18848
7.0001	2/1	10120	1 010	,1101	000	7,7002	120	101000	502	07007	120	01210	207	10771	110	10010

AGE GROUP 50-53—(Concluded)

***		t 9 Inches		10 Inches		11 Inches		Feet
Weight	Num- her	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
103-107	1	107					• • •	
113–117					. 1	117		
133-137	2	270						
138-142	5	704	1	140				
143-147	4	581	2	288				
148–152	5	748	4	602			1	150
153-157	2	311	2	311				
158-162	3	480	3	480	1	160		
163-167	4	659	1	167				
168–172	6	1018	5	850				
173-177	5	874	1	175			1	175
178-182	5	898	2	359			1	180
183-187	3	554	2	366	1	185	1	185
188-192	3	568		190				
193-197			1	195				
198-202	4	800	3	600	1	200		
208-212			l .i.		1	209		
228-232				• •	2	460		
238-242	1	240						
Total	53	8812	28	4723	7	1331	4	690

AGE GROUP 54-56

	4 Fee	5 Inches	4 Fee	t ⁸ Inches	4 Fee	t 9 Inches	4 Feet	10 Inches	4 Feet	11 Inches		Feet		et 1 Inch		t 2 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight
78-82	·				T				1	82				• • •		
83—87									1	86				• • •		
88—92					l				1	91			• • •			
93—97					1	94								• • •	1	93
98-102									1	100	6	598		202	1	100
103-107			1	105			2	210			5	526		104		422
108-112	1	110			1	110	1	110	2	220		1549		222		444
113–117									1	115		1149		1038		2654
118-122							2	240	5	598		1679	14	1680		1318
123-127							3	374	1	125		872	5	625	20	2498
128-132	1	130	1	131	3	392			3	389	17	2208		1686		2466
133–137					1	135	2	271	3	406		812	11	1493	21	2837
138-142									9	1261	13	1828	13	1819	21	2933
143-147							2	292	2	290		581	11	1592	13	1887
148–152			1	148			2	299	3	452	10	1503	20	2997	23	3442
153–157									1	155		617	6	930	13	2015
158–162						!			1	159	3	482	5	802	17	2722
163-167							1	165			4	660	4	658	10	1650
168–172										• • •	1	168	2	341	3	506
173–177												• •	2	348	3	525
183–187											1	185		• •	1	185
188–192															1	190
193–197												• •		• •	1	197
198–202				• • •											1	200
203-207				<u> </u>	<u> </u>									:	1	205
Total_	2	240	3	384	6	731	15	1961	35	4529	119	15417	120	16537	212	29489

AGE GROUP 54-56—(Continued)

	5 Fee	t 3 Inches	5 Fee	4 Inches	5 Fee	t 5 Inches	5 Fee	t 6 Inches	5 Fee	t 7 Inches	5 Fee	t ^g Inches	5 Fee	t 9 Inches	5 Feet	10 Inches
Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
93-97					·						1	95			· · ·	
98-102	1	100	2	202	1	100					1	100				
103-107	2	212	2	212												
108–112	6	662	4	440	1	112	1	110	2	219						
113–117	13	1503	4	459	2	229	1	116								
118-122	17	2036	23	2766	10	1202	4	474								
123-127	14	1754		2870	21	2631	10	1254	2	248						
128-132	27	3502	21	2737	21	2726	5	652	1	128	2	262				
133–137	26	3511	22	2974	25	3375	11	1490	5	673	3	407			1	136
138–142	36	5037	29	4060		3631	17	2375	9	1260	5	701			1	138
143–147	22	3192	15	2183	13	1888	12	1739	4	579	1	145				
148-152	30	4494	36	5393	29	4358	26	3892	10	1496	8	1196	3	450		
153–157	16	2478		3718	19	2948	13	2012	8	1246	2	309	1	156		
158–162	19	3045	24	3835	29	4638	17	2715	8	1276	6	962			1	160
163–167	15	2479	27	4448	14	2308	14	2308	9	1483	2	330	1	165	1	163
168–172	12	2033	20		25	4257	10	1702	15	2548		1190	2	340	1	170
173–177	6	1045	12	209 9	19	3323	17	2974	3	524	1	175	2	350		
178–182	2	358	4	718	10	1796	16	2881	4	720	5	900	1	180		
183-187	2	368	3	555	6	1109	4	737	2	369	4	743	1	185		
188-192	2	380	1	190	2	380	3	568	7	1334	1	188			1	190
193–197											1	196			1	195
198-202	1	200	1	200	1	200	2	400			4	796	3	600		
203-207		• •	٠.		1	204							ĭ	207	l il	205
208-212									1	208				20.		
218-222															1	217
Total	269	38389	297	43459	275	41415	183	28399	90	14311	54	8695	15	2633		1574

AGE GROUP 54-56—(Concluded)

	5 Feet	11 Inches	6	Feet
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
178-182	1	181	2	360
183-187			1	185
198-202	3	596		
218-222	1	220		
Total	5	997	3	545

AGE GROUP 57-59

Weight		7 Inches		t 8 Inches	4 Feet	9 Inches	4 Feet	10 Inches	4 Feet	11 Inches	5	Feet	5 Fee	et 1 Inch	5 Fee	t 2 Inches
	Num- ber	Aggregate Weight	Num-	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
83—87											1	86				
88—92										• •	1 1		i	90		• •
93—97							• •	• • •		• •		• • •	_ ^	70	1	95
98-102					٠٠,	• • •		• •	1	98	';	102		• •	1 1	399
103-107				• •	• • •	• •	'i'	107	1	105	3	315	• • •	• •	4	424
108-112		• •	• •	• •		• •	3	327		103				224		
113-117	• •	• •	٠.	• • •	• •	• •	³	321	2	221	3	332		224	3	328
118–122	• •	• •	٠٠.	• •		101	l ··	• •	2	231	3	347	2	232	4	460
123-127	• •	• •		• • •	1	121		• •		2::	8	957	8	956		1196
	• ;		l ::				l • <u>:</u>	_::	2	251	5	624		753		876
128-132	1	131	1	128	٠.		2	258	3	389		1038		780		783
133–137							٠.		5	675	7	944		1352	17	2289
138-142							1	140	1	140	8	1118	11	1542	11	1539
143–147							1	145	1	145	5	729	5	724	7	1015
148–152							1	148	1	150	7	1052	11	1651	11	1652
153–157			.	l			1	155			3	466	1	155	8	1239
158–162			١				l				5	800	5	798	13	2079
163-167		l	l				١		2	330	!		2	330	7	1153
168-172			l								1	170	3	510		680
178-182											1	178				
183-187							l ''						i	187		
Total		121	<u> </u>	120	<u> </u>	121	10	1200	10	2514	69		$\frac{1}{74}$	10284		16207
1 otai	Ţ	131	1	128	I I	121	10	1280	19	2514	אס ו	9258	[/4	10284	11/	10207

AGE GROUP 57-59-(Continued)

						MOD O	11001	31-37-(COMM	ueu)						
*** * * .		3 Inches		t 4 Inches		5 Inches	5 Fee	t 6 Inches		t 7 Inches		8 Inches		t 9 Inches		10 Inches
Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight												
98-102	3	298	Ī	100						-						
103-107	2	212	1	105												
108-112	5	545	2	219												
113-117	4	463	3	344	3	345			2	228						
118-122	4	478	10	1202	3	361										
123-127	7	875	15	1891	10	1253	4	498	1	125					1	125
128-132	22	2860	7	910	24	3117	8	1038	6	782			1	132		
133-137	10	1357	15	2027	14	1893	10	1360	2	269	5	677				
138-142	11	1542	23	3210	12	1676	16	2236	4	561			1	140		
143-147	17	2462	22	3193	11	1600	7	1008	2	290			1	144		
148-152	17	2551	18	2692	16	2404	11	1652	4	598	1	152		• •		
153-157	10	1548	15	2328	5	770	8	1239	4	623	1	155				
158-162	9	1439	13	2080	12	1919	5	803			2	320		162		
163-167	6	992	11	1819	10	1647	8	1323		495	5	820			2	331
168-172	6	1020	13	2213	10	1696	7	1187	1	170	1	170	2	338		
173-177			3	525	5	875			9	1572	1	177			3	525
178-182			4	720	2	356	4	720		899	1	180	3	540		
183-187			5	924	3	557		554	3	556				• •		
188-192					4	757				• •		, ,	1	190		190
193-197					1	196							1	195		
198-202	1	200			1	200					1	200				
208-212			1	208								_ : :		• •		• •
218-222								• •			1	218		• •	••'	• •
228-232									<u></u>		1	230			<u> </u>	
Total	134	18842	182	26710	146	21622	91	13618	46	7168	20	3299	11	1841	7	1171

AGE GROUP 57-59—(Concluded)

Weight	5 Feet 11 Inches Number Aggregate Weight	
133-137	1 135	
Total	1 135	

AGE GROUP 60-62

	4 Feet	9 Inches	4 Feet	10 Inches	4 Feet	II Inches	5	Feet	5 Fe	et 1 Inch	5 Fee	t 2 Inches		t 3 Inches		t 4 Inches
Weight	Num- ber	Aggregate Weight														
88—92	1	90								·						
98-102			1	100	1	98			1	100	1	100				
103-107												• • •			1	105
108-112			3	329	2	220	2	220	1	112		108	٠.		1	110
113–117							2	231	1	114		343	2	233	1	116
118–122					1		4	478	1	118		239	6	720	8	965
123-127							4	498	7	878		1003	5	627	6	751
128–132					1	130	5	652			9	1164	4	521	9	1164
133-137					1	135	5	677	. 6	811	5	675	7	939	9	1212
138–142			٠.						5	700		838	14	1961	12	1680
143–147						• • •	3	435	2	289		582	3	435	3	435
148–152							3	448	4	600	_	300	4	600	5	750
153–157					2	311	4	621	2	310		463	2	310		1241
158–162							1	160	1	320		640	3	476	8	1279
163-167							1	165	1	164	4	658	5	824		1978
168-172				٠									2	33 8	6	1018
173–177									٠.		• •				5	875
178–182									٠.		1	180			2	360
193–197		٠,	٠.							• • :					1	195
198–202	<u></u>								<u>.</u>		1	198				<u> </u>
Total	1	90	4	429	7	894	34	4585	33	4516	54	7491	57	7984	97	14234

AGE GROUP 60-62—(Concluded)

	5 Feet 5 Inches		5 Fee	t 6 Inches		t 7 Inches	5 Fee	8 Inches	5 Fee	t 9 Inches	5 Feet	10 Inches
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight
98-102			1	100	· · ·							
103-107			1	105								
113-117	1	117										
118-122			1	120	1	120	l					
123-127	3	376	2	252	l							
128-132	8	1036	2	260	1	130					1	128
133-137	3	405	4	544								
138-142	5	704	6	835	1	138		562				
143-147	4	578	2	290	4	573	2	292				
148-152	4	598	5	752								
153-157	4	618	8	1238	1	155		466				
158-162	6	955	5	800	2	319			2	320		
163-167	4	659		660	1	165					: `	
168-172	5	848	4	682			l		1	170		
173-177	2	350	2	350		350		175				
178-182	1	181	1	178		360	1	178		360		
183-187			1	186		370		185			i	183
188-192	1	190		1	l						l	
193-197	1	196		l								• • •
213-217					l				i	214	• •	• • •
223-227											1	223
Total	52	7811	49	7352	17	2680	12	1858	6	1064	3	534

AGE GROUP 63-65

NGB GROCT 03-03																
Weight		t 8 Inches		t 9 Inches		10 Inches		11 Inches	5	Feet	5 Fee	et 1 Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches
	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- her	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight
103-107									1	107	1	107				
108–112			1	110					3	330			1	109	1	110
113–117					1	115			1	115	1	• •	1	109	1 1	115
118–122									3	360		242	4	482	2	242
123-127						٠			3	377		250		622		373
128-132			.	١	1	130			6	782	-	386	7.1	518		390
133–137							1	135	3	405	1	133		540		135
138-142				٠					Ĭ	140		422				
143-147	1	145		l	l			• •	1 1	110	3			560		140
148-152			1	150			1	150		• • •	ا ا	433		585	3	435
153-157		l	Ι				1 ^	130		• •	2	298	• • •	• •	2	300
158-162					'	• • • • • • • • • • • • • • • • • • • •	٠	• •	''			• •	٠:		l I	155
163-167								• •	••	• •	1 ::		1	160		796
Total	<u></u> -	145		260	<u> </u>		<u></u>				l	165	2	330	$\lfloor 1 \rfloor$	165
Total	1	143	<u> </u>	260		245	2	285	21	2616	18	2436	29	3906	24	3356

$\begin{array}{c} {\rm TABLE~X~({\it Concluded})} \\ {\rm BUILD-WOMEN} \end{array}$

AGE_GROUP 63-65—(Concluded)

	5 Feet	t 4 Inches	1 5 5						Concid	rueu,					
Weight	Num-			t 5 Inches		t 6 Inches		t 7 Inches	5 Fee	t 8 Inches	5 Fee	t 9 Inches	5 Feet	11 Inches	
	ber	Aggregate Weight	Num- ber	Aggregate Weight											
113–117					1	116			- 502	Weight	Der	Weight	Der	weight	
118-122	2	240	2	242	1	110		• •		• •			• • •		
123-127	1						1	• •			٠				
	1	125	_	125		250					l		l		
128-132	5	652	2	261			1	130							
133–137	4	540	1	134	3	405	1	135		135		• •			
138-142	7	982	4	562	_	277	<u> </u>	100		_		• •		• •	
143-147	4	577		145	_				2	280		• •		• •	
148-152					_	288									
	4	600	-	452		301									
153-157	8	1232	1	155					1	155					
158–162			3	480	2	320		320	1	160					
163-167	1	165	4	661	4	660		020	•	100		162	• • •		
168-172	2		1	001	2			• •			1	163	• • •	• • •	
173-177		339	1	• •	Z	338		• • •	1	170					
	• •	• •	2	350	1	176	1	175							
178–182							2	362	1	180					
193–197							1	194	_						
198-202							Î	200		• •	• •			201	
			<u> </u>							<u>··</u>					
Total	38	5452	24	3567	21	3131	9	1516	7	1080	1	163	1	201	

AGE GROUP 66-68

TY ! ! .	4 Feet	II Inches	5	Feet	5 Fee	et I Inch	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fée	t 5 Inches	5 Fee	t 6 Inches
Weight	Num- ber	Aggregate Weight														
108-112		•••	1	110			1	110								
118–122			2	240	1	121	2	240			1	122			1	121
123-127			1	125			1	124			1	125	1	127	3	376
128–132									2	256	1	132				
133–137					2	270	1	135	i				2	270	1	135
138–142					1	140	1	140					2	280		
143–147			2	288	1	147	1	147	1	145						
148–152	1	148			1	150			3	449						
153–157					1	155					1	155				
158–162							2	320	1	160	1	160	٠			
178–182															1	182
Total	1	148	6	763	7	983	9	1216	7	1010	5	694	5	677	6	814

AGE GROUP 66-68 (Concluded)

	5 Fee	t 7 Inches
Weight	Num- ber	Agg r egate Weight
138-142	1	140
148-152	1	154
Total	2	294

AGE GROUP 69-70

	5 Fee	t 2 Inches	5 Fee	t 3 Inches	5 Fee	t 4 Inches	5 Fee	t 5 Inches	5 Feet 8 Inches		
Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	Num- ber	Aggregate Weight	
113–117	1	114									
123-127	3	375			2	250					
128-132			1	131		- • •					
133–137					1	135	1	136			
143–147	1	145		• •							
148–152	1	150							• -		
153–157					1	155			• •		
168–172			• •	<u></u>				<u> </u>	1	170	
Total	6	784	1	131	4	540	1	136	1	170	

AGE GROUP 73-74

	. 5	Feet			
Weight	Num- ber	Aggregate Weight			
113–117	1	113			
Total	1	113			

MORTALITY RATES FOR OBTAINING A STANDARD OF EXPECTED DEATHS

The Committee of the Specialized Mortality Investigation, after examining all published data of companies in the United States and Canada, arrived at the conclusion that after the fifth policy year Farr's Healthy English Table was, on the whole, fairly representative of their experience, except at the young and old ages, for which suitable modifications were accordingly made. This modified table was believed to be "in close substantial agreement with good American experience upon insured lives after five years." In order to make provision for the effect of medical selection, a series of percentages of the standard table was used as expressing approximately the normal death rate during the first five years of insurance. As these percentages are of interest in the present investigation, they are now given:

Ages at Issue	Year 1	Year 2	Year 3	Year 4	Year 5
15–28	45	64	79	90	97
29-42	50	68	82	92	98
43-56	55	72	85	94	99
57–70	60	76	88	96	100

While the number of actual deaths in the combined ninety-eight classes in the Specialized Experience was approximately one hundred per cent of the number expected according to the above standard, it was felt by the present Committee that no satisfactory deduction could be drawn therefrom, because the majority of the classes in the "Specialized" were on risks assumed to have a higher mortality than the average. As the Committee had the means of testing the select table used in the Specialized Investigation (1875-1900) and of examining the extent of its agreement with the average experience of companies in the United States and Canada during the period 1885-1909, it was decided to make a series of experiments with the data furnished for the policies on which the table of heights and weights was based. Before commencing that work, the Committee first made experiments to determine whether groupings of ages could safely be used.

GROUPINGS OF AGES

The labor of calculating the expected deaths at each age for the numerous classes and the subdivisions of classes to be investigated would be very great, and the expense of printing the results, if tabulated for each age, would be considerable. With the object of avoiding this labor and expense, the Committee made a series of tests from data kindly furnished by the Mutual Life and the New York Life Insurance Companies. The former supplied the Committee with the number of policies issued at each age during the combined years 1901, 1902 and 1903, covering over 200,000 cases, while the latter gave the average age at issue for the years 1908 and 1909, covering about 92,000 policies, with the following results:

AVERAGE AGI	E OF EACH	AGE GROUI
Ages at 1ssue	Mutual Life	New York Life
15–19	17.84	17.68
20–24	22.21	22.17
25-29	26.98	26.99
30–34	31.89	31.91
35–39	36.80	36.83
40–44	41.81	41.79
45–49	46.73	46.82
50–54	51.76	51.64
55-59	56.61	56.55
60-64	61.47	61,44

The foregoing figures practically agree in the average age for each quinquennial age group in the two companies, and it was assumed that these results represent the experience of the companies as a whole.

The next step was to determine whether the combined movement of death and withdrawal had any effect upon the distribution by age, or whether the average age at entry in each group, plus the duration, represented the average age of the group after the policies were 10, 15 or 20 years in force. To determine this, three age groups were selected from the New York Life's experience on the issues of 1899 which were in force at the end of ten years, with the following results:

	ISSUES	OF 1899	
Ages at Issue	Average Age at Issue	Average Age at End of 10 Years	Difference
25-29	27.1	37.1	10.0
35–39	36.9	46.9	10.0
50–54	51.7	61.8	10.1

A similar test was made of the issues of the years 1894 and 1895, the average age being obtained at date of issue of the policies and also at the end of 15 years, with the following results:

	ISSUES	OF 1894			ISSUES	OF 1895	
Ages at Issue	Average Age at Issue	Average Age at End of 15 Years	Difference	Ages at Issue	Average Age at Issue	Average Age at End of 15 Years	Difference
25-29	27.2	42.1	14.9	25-29	27.3	42.2	14.9
35-39	36.9	52.0	15.1	35–39	37.0	51.7	14.7
50–54	51.8	66.7	14.9	50 - 54	51.9	66.8	14.9

Through the courtesy of the Mutual Benefit, the average age of those who took Ordinary Life policies in 1885 has been obtained, and also the average age of those whose policies were in force in 1910, by quinquennial age groups. The data below age 20 and above age 54 have been omitted because there were only five policies in force at the end of 1910—not enough to give an average:

Ages at Issue 20–24	ISSUES	OF 1885	
Ages at Issue	Average Age at Issue	Average Age at End of 25 Years	Difference
20-24	23.1	48.4	25.3
25-29	27.2	52.0	24.8
30-34	32.1	57.2	25.1
35-39	37.0	62.0	25.0
40–44	41.8	66.8	25.0
45-49	47.0	71.8	24.8
50-54	51.9	76.8	24.9

While the foregoing indicates that in large companies the average age at entry, plus the duration, may be taken as the attained age of the group for at least a period of 10 or 15 years, or possibly 25 years, the Committee recognizes that in the case of small companies and in small groups in large companies the variations may be more marked. Some members of the Committee have adopted, in mortality investigations for their own companies, quinquennial groupings of ages, but invariably investigate the mortality both by policies and by amounts insured.

As there is no reason to believe that the approximation involved in grouping ages quinquennially to obtain the expected deaths would cause material errors, it was decided to adopt groupings of ages; but to reduce the chance of error to a minimum, the age groups were made smaller above age 50, the arrangement being:

15-19	30-34	45-49	5 7 -59	66-68
20-24	35-39	50-53	60-62	69-70
25-29	40-44	54-56	63-65	

85

As a company, in using the results of the present investigation to guide it in the selection of risks, would make allowance for the fact that the percentages of actual to expected deaths are subject to accidental deviations, and as such accidental deviations are far in excess of any that could possibly result from the use of grouped ages, these latter deviations are of no practical importance.

DATA USED IN OBTAINING STANDARD RATES OF MORTALITY

As the companies had supplied for the investigation into height and weight their statistics on the issues of January of the odd years and July of the even years, 1885 to 1900 inclusive, observed to the policy anniversaries in 1909, such data were also available for the preparation of rates of mortality to be used in obtaining a standard for the calculation of the expected deaths in the various classes. The data included every policy issued in these months at the regular rate of premium and without any modification on account of extra risk, i.e., standard or normal lives only were included.

The Exposed to Risk under each of the age groups were calculated, and expected deaths were obtained by applying the rates of mortality of the Specialized Select Table. The following is a brief summary of the result, the details appearing in Table XI:

Policy Years	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths	Ages at Entry	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths				
1 2 3 4 5	1126 1067 1056 1008 1001	1044 1093 1248 1317 1366	108% 98 85 77 73	15-24 25-29 30-39 40-49 50-59 60-End	1559 2122 4792 3798 2368 541	2161 3224 6506 4229 2228 499	72% 66 74 90 106 108				
1—5 6–10 11–15 16–24 Total	5258 4856 3341 1725 15180	6068 6643 4126 2010 18847	87 73 81 86 81%	Total	15180	18847	81%				

TEST BY "SPECIALIZED SELECT" TABLE

It was evident from the above figures that if the underlying statistics were correct, the experience of the companies in the United States and Canada by policies was not accurately represented by the Specialized Select Table. Two other tests were made: (a) by the British Offices Male Life Table (Select) known as the O^[M], (b) by the select table of the New York Life Insurance Company known as the Compound Progressive. The expected deaths using the former were 18,930, and the actual 15,180—a ratio of actual to expected deaths using the latter were 17,424, and the actual 15,180—a ratio of actual to expected deaths of 87%. The O^[M] table is based on lives and the Compound Progressive on amounts insured, the experience of the New York Life by policies being more favorable than by amounts, as is the experience of practically all American companies.

As the mortality under the January and July cases was so much lower than the standard adopted by the Committee of the Specialized Investigation as representing the experience of companies in the United States and Canada, it was deemed advisable to thoroughly analyze the underlying data. Each company, therefore, was requested to make a special investigation as to whether or not any of its death losses had been omitted, and a table was also prepared by the Central Bureau showing the proportion of deaths to total entrants in each company. Neither of these tests resulted in the discovery of any errors. The next step in determining

the reliability of the data was to select two companies, the mortality experience in one of which was known to be below, and in the other above the average of the companies. The experience of the former company was 74% of the expectation according to the Specialized Select Table, and of the latter company 83%, although, after the first five insurance years, the experience of the two companies was practically the same. The Committee, however, desired further confirmation, and accordingly asked several companies to furnish additional data, which were freely given, although involving considerable labor. The Phoenix Mutual supplied their exposed to risk and deaths for each year of issue 1885 to 1900 inclusive, while the Mutual Life, Prudential, Mutual Benefit, and New York Life gave their statistics on the issues of June of the odd years and December of the even years 1885 to 1900 inclusive. This gave the Committee 175,998 additional cases, with deaths numbering 10,799, and in these the incidence of mortality and the ratio of actual to expected deaths were practically the same as for the issues of January of the odd years and July of the even years 1885 to 1900.

The foregoing tests having confirmed the accuracy of the underlying statistics, it was decided to prepare graded rates of mortality, making allowance for selection, based on the issues of January of the odd years and July of the even years 1885 to 1900. These rates of mortality, however, differed so much from what the Committee expected that it was deemed necessary to ask the companies to furnish additional information. It may be stated in brief that the rates of mortality were very low at the early ages of entry, the ultimate mortality for the eleventh and succeeding policy years being less than 60% of the American for attained ages below 40. Furthermore, after the first policy year, there was no marked variation in the mortality by policy years for entrants under age 50, the rates of mortality for the eleventh and succeeding policy years combined being practically the same as for the second to the tenth policy years combined—for the same attained age. A series of investigations made by the Committee, covering a large amount of statistics freely furnished by various representative companies, convinced the members that there had been, in general, an improvement in mortality in recent years, the improvement, however, not being uniform at all ages. There are apparently two independent forces at work, both tending to improve the mortality:

First—Better sanitary conditions and advancing medical knowledge, resulting in continued improvement in the general health of the community;

Second—More intelligent methods of medical selection.

The effects of these forces are intermingled, and it is difficult to determine the degree in which each affects the mortality. Other factors undoubtedly influence the mortality, but these two are probably the principal. The evidence of improvement in the mortality by policies justified the Committee in asking the companies to furnish their data on the issues of January of the odd years and July of the even years 1901 to 1908 inclusive, carried to the policy anniversaries in 1909. While this delayed publication of the results of the investigation, it appealed alike to actuaries and medical directors, as it would provide a table of standard rates of mortality covering the same range of experience as the various classes of occupation, medical impairment, etc. to be investigated. It also gave an opportunity for determining the approximate extent to which there had been an improvement in the mortality among insured lives.

GRADED RATES OF MORTALITY FOR STANDARD TABLE

The basis of the graded rates of mortality for the standard table was thus the issues of January of the odd years and July of the even years 1885 to 1908 inclusive, carried to the policy anniversaries in 1909 for all the companies with the exception of two—the Phoenix Mutual giving its entire data on standard lives for the years 1901 to 1908 inclusive, and the New York Life furnishing its experience for the issues of 1885 to 1900 inclusive only, for reasons which were satisfactory to the Committee.

Dividing the issues into three periods of eight years each, the following shows the extent of the statistics:

Years of Issue	Number of Entrants	Total Exposures	Deaths
1885-1892	80,976	781,852	7,180
1893-1900	148,995	1,106,216	8,000
1901-1908	270,404	926,108	5,042

Crude rates of mortality were obtained for the entrants in each of the age groups according to policy years, all years of issue being combined. These crude rates were graded either by inspection or by a graphic process. Tests were then made to determine whether or not these sets of mortality rates gave expected deaths which agreed closely with the actual deaths, adjustments being made whenever needed. A series of tests showed that the rates of mortality based on the data for the eleventh and succeeding policy years differed very slightly from the corresponding rates of mortality based on the statistics for the sixth to the tenth policy years. Ultimate rates of mortality were therefore prepared for the sixth and succeeding policy years. These rates were comparatively close at the older ages to the corresponding rates of the British Offices Table after the tenth policy year, and accordingly that table was adopted for attained ages 70 and above.

Applying these ultimate rates of mortality to the data for the fifth policy year, it was found that the expected deaths were 100.3% of the actual deaths, and it was therefore decided to include the data for the fifth policy year in the basis for the ultimate rates. So far as concerns the third and fourth policy years, there was a slightly lower mortality on the average than appeared in the ultimate table, and the necessary modifications were made. There were only two years which showed a distinctly lower mortality than the ultimate—namely, the first and second. It should not be inferred that the effect of medical selection disappeared in four years. The low mortality of subsequent years seems rather to indicate that the effect of selection continued for a much longer period, but, owing to the probably considerable improvement in the health of the community in general, the effect of selection can not be clearly traced in this table.

In the following table are given the graded mortality rates, and in Table XII appear in detail the Exposed to Risk and the Actual and Expected Deaths, and in Table XIII the usual tests of the graduation.

The Committee suggests that the graded rates of mortality be designated as the M. A. table. Thus, applying the usual symbols for select and ultimate values,

- M.A. $q_{[x]}$ = rate of mortality for first insurance year on a policy issued on a select life at age x
- M.A. $q_{(x)+1}$ = rate of mortality for second insurance year on a policy issued on a select life at age x
- M.A. $q_{x+n} = \text{ultimate rate of mortality at age } x+n, x \text{ being age at issue and } n \text{ being not less than 4.}$

MORTALITY RATES PER 1,000

GRADED RATES OF MORTALITY BASED ON THE EXPERIENCE BY POLICIES OF THE ISSUES OF JANUARY IN ODD YEARS AND JULY IN EVEN YEARS 1885 TO 1908 INCLUSIVE CARRIED TO THE POLICY ANNIVERSARIES IN 1909

Age	POLICY YEAR							
at Entry	ſ	2	3	4	5 and Later	Attained Age		
18	3.1	4.3	4.5	4.6	4.6	22		
19					4.7	23		
20					4.7	24		
21	2	٠٠.		4 7	4.7	25 26		
22 23	3.3	4.5	4.6	4.7	4.8 4.8	20 27		
23 24	• • •	• •	••		4.8	28		
25		• •	• •		4.9	29		
26			::		4.9	30		
$\overline{27}$	3.5	4.6	4.7	4.8	4.9	31		
28					4.9	32		
29					5.0	33		
30					5.0	34		
31			• •	• •	5.1	35		
32	3.7	4.8	4.9	5.0	5.2	36		
33	• •	• •	• •	• •	5.3	37 38		
34	• •	• •	• •	• •	5.4	39		
35		• •	• •	• •	5.7	40		
36 37	4.1	5.2	5.4	5.7	5.9	41		
38	T.1	3.2			6.2	42		
39					6.6	43		
40					7.0	44		
41					7.5	45		
42	4.7	6.4	6.9	7.5	8.0	46		
43					8.5	47		
44	• •	• •	• •	• •	9.1 9.8	48 49		
45		• •	• •	• •	10.6	50		
46		8.9	9.7	10.6	11.5	51		
47	6.5	0.9		10.0	12.5	52		
48 49		• •		• •	13.5	53		
50		• •			14.6	54		
51	8.9	12.2	13.4	14.6	15.8	55		
52				• •	17.1	56		
53					18.5	57		
54					20.1	58 59		
55	12.2	15.8	18.3	20.1	21.9	60		
56		• •	•••	• •	24.0 26.4	61		
57	16.0	20.4	24.0	26.4	29.1	62		
58	16.0	20.4	24.0	20.4	32.1	63		
59	• •	• •		• •	35.4	64		
60 61	20.5	27.5	32.1	35.4	39.0	65		
62	20.3	2	· -		42.9	66		
63				• •	47.1	67		
64	26.0	36.0	42.9	47.1	51.6	68_		

MORTALITY RATES PER 1,000 (Continued)

Age	POLICY YEAR								
at Entry	1	2 3		4	5 and Later	Attained Age			
65					56.6	69			
66					61.7	70			
67	30.0	47.0	56.6	61.7	66.8	71			
68					72.3	72			
69					78.3	73			
70	36.0	60.0	72.3	78.3	84.8	74			
71					91.9	74 75			
72					99.5	76			
73					107.9	77			
74					116.9	78			
75					126.6	79			
76					137.2	80			
77					148.6	81			
78					160.9	82			
79					174.1	83			
80					188.4	84			
81					203.7	85			
82					220.1	86			
83				• •	237.7	87			
84		, ,			256.5	88			

Graded Rates of Mortality for Groups of Ages at Entry.

Policy Year	Ages at Entry 20-24	Ages at Entry 45-49	Ages at Entry 50-53	Ages at Entry 69-70
1	3.3	6.4	9.1	35.0
2	4.5	8.8	12.5	57.8
3	4.6	9.5	13.8	69.7
4 5	4.7	10.4	15.0	75.5
5	4.8	11.3	16.3	81.8
6	4.8	12.2	17.5	88.4
7	4.9	13.2	19.0	95.7
6 7 8 9	4.9	14.3	20.6	103.7
9	4.9	15.4	22.5	112.4
10	4.9	16.7	24.7	121.8
11	5.0	18.1	27.2	131.9
12	5.0	19.6	30.0	142.9
13	5.1	21.4	33.1	154.8
14	5.2	23.4	36.5	167.5
15	5.3	25.7	40.2	181.3
16	5.4	28.3	44.2	101.5
17	5.5	31.2	48.5	
18	5.6	34.4	53.1	
19	5.8	37.9	58.1	
20	6.1	41.7	63.2	
21	6.4	45.8	68.5	
22	6.8	50.3	74.1	
23	7.3	55.1	80.3	
24	7.8	60.2	86.9	
25	8.3	65.3	94.2	

For the other age groups the graded rates of mortality are those corresponding to ages at entry as shown below:

Ages at Entry	Mortality Rates Corresponding to Age at Eutry	Ages at Entry	Mortality Rates Corresponding to Age at Eutry
1519	18	54 - 56	55
25–29	27	57-59	58
30-34	32	60-62	61
35–39	37	63-65	64
40 - 45	42	66-68	67

The following synopsis by policy years and by ages at issue is given, so that the extent of the variation of the actual experience from expected deaths may be seen at a glance:

ISSUES OF JANUARY OF THE ODD YEARS AND JULY OF THE EVEN YEARS 1885 TO 1908 INCLUSIVE. EXPECTED DEATHS CALCULATED BY GRADED RATES OF MORTALITY

Policy Years	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths	Ages at Entry	Actual Deaths	Expected Deaths	Ratio of Actual to Expected Deaths
1 2 3 4 5	2200 2084 1933 1769 1557	2201.4 2091.5 1933.3 1752.8 1562.0	100% 100 100 101 100	15-24 25-29 30-39 40-49 50-59 60-End	2366 2852 6222 4900 3136 746	2281.0 2948.9 6182.5 4868.7 3131.5 790.3	104% 97 101 101 100 94
1—5 6–10 11–15 16–24 Total	9543 5613 3341 1725 20222	9541.0 5666.4 3247.1 1748.4 20202.9	100 99 103 99 100%	Total	20222	20202.9	100%

It is apparent from the foregoing ratios that the graded rates of mortality represent approximately the experience of the companies for the years 1885 to 1909 inclusive, and may therefore be used with confidence as the standard for the calculation of the expected deaths in the various classes to be studied.

Owing to the evidence of a general improvement in mortality, the Committee considered the advisability of preparing three graded rates of mortality applicable to the issues of three eight-year periods, 1885-1892, 1893-1900 and 1901-1908, and of applying these rates of mortality to the exposed to risk in the several classes similarly subdivided. This would increase three-fold the work of sorting, of tabulating and of preparing the expected deaths, and would doubtless have slight effect on the results of any class. The probable extent of the error introduced by preparing a single set of mortality rates for all years of issue may be illustrated in the following manner:

The mortality for the years of issue 1885 to 1900 was 103% of the expectation according to the graded table, and for the years of issue 1901 to 1908, it was 93% of the same. If the distribution of the policies in a class of occupation or of medical impairment were the same by years of issue as in the issues of January of the odd years and July of the even years, the single set of ratios would be as satisfactory as three sets of ratios. If, however, in a given class the total exposures on entrants of 1885-1900 were of the same extent as the exposures on entrants of 1901-1908, whereas in the January and July cases (on which the standard is based) the exposures in the former group are twice as many as in the latter, the error on account of the use of a single set of mortality rates would be only 2% of the expected deaths. This would not vitiate the results of any particular group, especially as those who are dealing in practice with the deductions to be drawn therefrom would make some allowance for variation due to accidental causes or paucity of data.

IMPROVEMENT IN MORTALITY

By dividing the issues of January of the odd years and July of the even years 1885 to 1908 into three groups by calendar years of issue, an opportunity is given to determine whether there has been an improvement in mortality, and whether the change has been uniform at all ages. The following table has accordingly been prepared, comparing the actual with the expected deaths, calculated by the graded rates of mortality, for the issues of the three periods 1885 to 1892, 1893 to 1900 and 1901 to 1908:

COMPARISON OF ACTUAL WITH EXPECTED DEATHS

ISSUES ON STANDARD LIVES OF JANUARY OF THE ODD YEARS AND JULY OF THE EVEN YEARS 1885 TO 1908 INCLUSIVE CARRIED TO POLICY ANNIVERSARIES IN 1909

BY POLICY YEARS

	ISSUES	OF 1885-1892	
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	408	361.77	113%
25	1543	1396.97	110
6–10	1707	1641.47	104
11–15	1867	1772.78	105
16-24	1655	1677.04	99
Total	7180	$\overline{6850.03}$	105%
	ISSUES	OF 1893-1900	
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	718	655.08	110%
2—5	2589	2545.18	102
6-10	3149	3165.45	99
11–15	1474	1474.36	100
16	70	71.38	98
Total	8000	7911.45	$\overline{101\%}$
	ISSUES	OF 1901-1908	
Policy Years	Actual Deaths	Expected Deaths	Ratio
1	1074	1184.49	91%
25	3211	3397.91	94
68	757	859.51	88
Total	5042	5441.91	93%
	BY AGE	S AT ISSUE	
	ISSUES	OF 1885-1892	
Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15-29	1555	1454.94	107%
30-39	2334	2189.34	107
40–49	1911	1835.00	104
50–59	1144	1111.26	103
60 and over	236	259.49	91
Total	7180	6850.03	105%
	ISSUES (OF 1893-1900	
Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15-29	2126	2082.67	102%
30–39	2458	2410.08	102
40-49	1887	1884.22	100
50-59	1224	1222.98	100
60 and over	305	311.50	98
Total	8000	7911.45	101%
			, 0

BY AGES AT ISSUE (Continued)

ISSUES OF 1901-1908

Ages at Issue	Actual Deaths	Expected Deaths	Ratio
15–29	1537	1692.45	91%
30-39	1430	1583.12	90
40-49	1102	1149.51	96
50-59	768	797.26	96
60 and over	205	219.57	93
Total	5042	$\overline{5441.91}$	93%

From the foregoing table the following inferences may be drawn:

- 1. That there has been a distinct improvement in the mortality in recent years.
- 2. That the mortality has improved most at the youngest ages of entry and has shown no distinct improvement at the oldest ages of entry.

In applying these inferences it must be kept in view that they refer to the mortality by policies, the mortality by amounts insured not having been investigated. There may not be as marked an improvement in mortality by amounts as by policies, and the effect of medical selection may not have followed the same lines.

WARNING

The Committee desires to warn against using these rates of mortality for any other purpose than that for which they were prepared. As they are based upon the experience on policies, they should not be applied to determine the expected death losses by amounts insured, the general experience being that the mortality by amounts insured is larger than by policies—it is also probable that the incidence of mortality by amounts insured is different from that by policies. It would be a great mistake to use the foregoing tables for calculating rates of premiums, reserves, or, in fact, for any monetary purpose. All that the Committee has striven to obtain at the present time is a set of mortality ratios which approximately represent the average experience by policies of companies in the United States and Canada with sufficient accuracy to be used as a standard for testing the degree to which the mortality of the various classes differs from the average combined experience of the companies on policies.

TABLE XI

Policies Issued in the United States and Canada on Standard Male and Female Lives January in odd years, july in even years, 1885 to 1900, inclusive Data Carried to anniversaries of policies in 1909

EXPECTED DEATHS CALCULATED BY SPECIALIZED SELECT TABLE

Ages at	Entry	15-19)		20-24	1		25-29	9		30-34		
Insur- ance Years	Exposed to Risk	Actual Deatbs	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Insur- ance Years
1	5365	21	17.2	35273	124	116.4	51397	227	190.2	47960	181	201.4	1
2	3932	16	18.1	24897	139	119.5	37864	182	196.9	36203	174	210.0	2
3	3628	18	20.7	22760	140	138.8	34810	170	226.3	33496	170	234.5	3
4	3325	15	21.6	20675	115	144.7	31891	147	236.0	30898	187	247.2	4
5	3124	16	22.2	19516	99	150.3	30162	170	244.3	29256	161	251.6	5
6	2952	15	22.1	18567	99	148.5	28698	128	241.1	27894	167	248.3	6
7	2799	15	21.3	17831	78	144.4	27660	135	235.1	26874	140	244.6	7
8	2681	12	20.6	17267	77	141.6	26829	143	230.7	26079	169	239.9	8
9	2601	13		16822	80	139.6	26171	114	227.7	25403	140	238.8	9
10	2175	15	17.2	14788	71	122.7	23325	122	205.3	22695	151	217.9	10
11	1662	11	13.3	11821	62	99.3	18961	104	168.8	18512	140	183.3	11
12	1444	11	11.7	10209	51	86.8	16581	76	150.9	16264	106	165.9	12
13	1202	9	9.9	8624	46	74.2	14307	71	133.1	14137	89	148.4	13
14	973		8.1	7279	41	63.3	12239	57	116.3	12217	89	131.9	14
15	807		6.7	6019	28	53.6		72	100.5		84	116.9	15
16	575		4.8		32	42.0	8260	48	81.8			95.1	16
17	420					33.7	6691	47	68.3			78.9	17
18	301					26.5	5391	. 33	56.6			65.4	18
19	221	3				20.2	4191	31	45.7	4073		53.4	19
20	161	1	1.4			15.3		20	35.1	3008	38	41.5	20
21	58		.5		4	5.9		12	14.9	1203	14	17.6	21
22	32		.3			3.8	808	5	9.8	787	18	12.1	22
23	23		.2			2.7	510	7	6.5	_	11	7.6	23
24	13		.1	103		1.1	215	1	2.9	191	2	3.3	24
		1.	1										

Ages at	Entry	35-39			40-44			45-49)		50-53		
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Insur- ance Years
1	37552	172	169.0	24873	115	126.9	14344	111	90.4	6671	63	51.4	1
2	28673	158	174.9	19046	132	133.3	11039	90	94.9	5225	66	55.4	2
3	26556	135	199.2	17690	128	152.1	10246	121	108.6	4806	68	63.9	3
4	24414	146	210.0	16233	135	160.7	9406	92	114.8	4390	70	68.9	4
5	23061	141	216.8		124	167.2	8888	114	120.0	4127	65	72.6	5
6	21954	160	215.2	14568	131	167.5	8414	107	121.2	3927	73	74.6	6
7	21112	134	213.2	13981	123	166.4	8042	111	122.2	3739	88	75.9	7
8	20459	147	212.8		133	167.6	7733	108	125.3	3576	76	77.6	8
9	19895	155	214.9		146	170.6	7489	115	128.8	3433	82	80.0	9
10	17714	131	196.6	11565	121	158.4	6592	109	121.3	2968	87	74.5	10
11 12	14437	136	167.5		118	133.1	5185	107	101.6	2257	57	61.2	11
13	12588	119	151.1	7978	117	122.1	4426	102	93.0	1909	66	56.1	12
13 14	10832	114	135.4	6912	98	112.0	3792	69	85.3	1577	56	50.5	13
15	9194 7695	100	120.4	5872	90	101.6	3173	69	76.8	1316	51	45.8	14
16	5793	90	105.4	4983	94	91.7	2678	77	69.9	1091	56	41.4	15
17	4673	73	84.0	3690	60	72.7	1780	45	50.4	701	29	28.9	16
18	3712	61 54	71.5	2994	52	63.2	1415	51	43.6	537	21	24.0	17
19	2917	35	60.5 50.8	2362 1886	48	53.4	1080	36	36.1	419	24	20.3	18
20	2179	31	40.3		37	45.8	825	29	30.0	339	17	17.8	19
21	890	19	17.6	1392	33	36.5		27	23.8	241	9	13.7	20
22	562	14	11.9	621 376	21	17.6	293	11	12.5		7	9.1	21
23	341	13	7.7	213	10	11.6	184	10	8.6	102	5	6.9	22
24	137	2	3.3	77	7	7.2	104	7	5.2	66	5	4.8	23
	137	2	3.3	- ' '	5	2.8	44	2	2.4	23	4	1.8	24

TABLE XI (Concluded)

Policies Issued in the United States and Canada on Standard Male and Female Lives JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1900, INCLUSIVE DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909

Ages at Entry 54-56 57-59 (2.42)													
Ages at	Entry	54-56			57-59			60-62	,		63 and ov	ver	
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Sclect Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Exposed to Risk	Deaths	Expected Deaths by Specialized Select Table	Insur- ance Years
1	3161	40	30.0	1878	37	23.9	945	19	14.6	552	16	12.1	1
2	2561	34	34.1	1489	38	25.6		22	16.8		1	13.6	2
3	2388	37	39.9	1388	27	29.6		26	19.1	409		15.5	3
4 5	2200	32	43.6	1282	31	32.2		25	20.8			16.7	4
5	2090	38	46.8	1222	39	34.7		20	22.1		1 -01	17.4	5
6	1989	41	48.1	1140	32	35.2		24	22.1	320	1	17.6	6
7	1893	46	49.4	1082	32	36.4		20	22.4			17.6	7
8	1806	59	51.1	1019	35	37.3	495	20	22.9			17.7	8
9	1715	53	53.0	959	42	38.1	464	25	23.3			17.5	9
10	1460	44	49.1	820	52	35.3	381	23	20.8			15.3	10
11	1109	44	40.5	587	37	27.5	258	16	15.3	131		10.6	11
12	883	31	35.0	468	20	23.8	204	14	13.1	98	12	8.6	12
13	735	43	31.7	376	25	20.8	173	17	12.1	74		7.0	13
14	600	33	28.1	297	23	17.8	132	11	10.0	54	5	5.6	14
15	500	26	25.4	232	13	15.1	108	13	8.9	42	2	4.7	15
16	306	18	16.9	146	15	10.3	67	8	6.0	32	4	3.9	16
17	239	19	14.3	109	12	8.4		2	5.1	25	3	3.3	17
18	185	18	12.0	76	6	6.3		11	4.7	17	1	2.5	18
19	131	15	9.3	60	9	5.4	30	6	3.4	12	3	1.8	19
20	90	7	6.9	47	1	4.6		4	2.6	6	1	1.1	20
21	46	5	3.8	37	7	3.9		2	.9	3	1	.6	21
22	26	4	2.3	24		2.7			.6	1		.2	22
23	15	1	1.5	16	1	2.0		1	.5				23
24	5		.5	4	1	.5	1		.2	J			24
						SYNO	OPSIS						
Ages at	Ages at Entry 15-29					30-	-39				40-49		
Insur- auce Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Tabl	Ratio	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio	Insur- ance Years
1 2	9203 6669						370 384		5 39217 6 30085	226 222	217 228		1 2
3	6119						433		0 27936	249	260		3
Ā	5500				5500		100			200	200		Ž

Ages at	Ages at Entry 15-29				30–39				40–49				
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Insur- ance Years
1	92035	372	323.8	115	85512	353	370.4	95	39217	226	217.3	104	1
2	66693	337	334.5	101	64876	332	384.9	86	30085	222	228.2	97	2
3	61198	328	385.8	85	60052	305	433.7	70	27936	249	260.7	96	3
4	55891	277	402.3	69	55312	333	457.2	73	25639	227	275.5	82	4
5	52802	285	416.8	68	52317	302	468.4	64	24228	238	287.2	83	5
15	328619	1599	1863.2	86	318069	1625	2114.6	77	147105	1162	1268.9	92	1—5
67	98507	470	812.5	58	97834	601	921.3	65	45005	472	577.3	82	6—7
8–10	132659	647	1125.7	57	132245	893	1320.9	68	60017	732	872.0	84	8–10
11–15	122492	644	1096.5	59	126311	1067	1426.2	75	54242	941	987.1	95	11–15
16–24	48398	321	488.2	66	50926	606	722.5	84	19938	491	523.4	94	16-24
1-24	730675	3681	5386.1	68	725385	4792	6505.5	74	326307	3798	4228.7	90	1-24

Ages at	Ages at Entry 50-59					60 a	nd over		All Ages at Entry				
Insur- auce Years	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by Specialized Select Table	Ratio %	Iusur- ance Years
1	11710	140	105.3	133	1497	35	26.7	131	229971	1126	1043.5	108	1
2	9275	138	115.1	120	1239	38	30.4	125	172168	1067	1093.1	98	2
3	8582	132	133.4	99	1125	42	34.6	121	158893	1056	1248.2	85	3
4	7872	133	144.7	92	1026	3 8	37.5	101	145740	1008	1317.2	77	4
5	7439	142	154.1	92	957	34	39.5	86	137743	1001	1366.0	73	5
1-5	44878	685	652.6	105	5844	187	168.7	111	844515	5258	6068.0	87	15
67	13770	312	319.6	98	1708	76	79.7	95	256824	1931	2710.4		67
8–10	17756	530	496.0	107	2070	123	117.5	105	344747	2925	3932.1	74	8–10
11-15	13937	581	520.7	112	1274	108	95.9	113	318256	3341	4126.3	81	11–15
16-24	4137	260	238.9	109	327	47	37.4	126	123726	1725	2010.4	86	16-24
1-24	94478	2368	2227.8	106	11223	541	499.2	108	1888068	15180	18847.2	81	1-24

TABLE XII

Policies Issued in the United States and Canada on Standard Male and Female Lives JANUARY IN ODD YEARS, JULY IN EVEN YEARS, 1885 TO 1908, INCLUSIVE DATA CARRIED TO ANNIVERSARIES OF POLICIES IN 1909

TEST OF GRADUATION OF M. A. TABLE

Ages a	t Entry	15-19			20-24	<u> </u>		25-29	9		30-3	1	
Insur- acce Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Tahle	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths hy M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths hy M. A. Table	Insur- ance Years
1	17867	55	55.39	84775	307	279.77	108200	396	378.70	100341	327	371.26	1
$\tilde{2}$	12199		52.46	56610	284	254.75	75661	340	348.05	72062	325	345.89	2
$\bar{3}$	10408	52	46.83	48530	251	223.24	66159	295	310.95	63147	290	309.42	3
4	8565	34	39.39		200	192.62	56949	261	273.36	54760			4 5
5	6848	25	31.50		162	163.63	48408	241	237.21	46861	239	243.68	
6	5301	28	24.91	28267	130	135.68	41306	176	202.40	40120	236	212.64	6
7	4203	20	19.76		102	116.20	35491	165	177.46	34620	180	186.95	7
8	3200	14	15.04	19875	89	97.39	30327	158	151.64				8
9	2601	13	12.48	16822	80	82.43	26171	114	133.48	25403	140		9
10	2175	15	10.44	14788	71	72.46	23325	122	121.29	22695		133.90	10
11	1662	11	7. 98	11821	62	59.11		104	100.49		140		11
12	1444	11	7.07	10209	51	51.05	16581	76	89.53				12
13	1202	9	5.89	8624	46	43.98		71	78.69		89	98.96	13
14	973	1	4.77	7279	41	37.85	12239	57	69.76			91.63	14
15	807	4	3.96	6019	28	31.90		72	61.15		1	83.48	15
16	575		2.88	4671	32	25.23		48	51.22	8195		69.66	16
17	420		2.10		20	20.16		47	44.16			59.83	17
18	301	2	1.54		23	15.93	5391	33	37.74	5228		51.23	18
19	221	3	1.15		9	12.20		31	31.43		_	43.17	19
. 20	161	1	.85		14	9.53		20	24.87	3008		34.59	20
21	58	,	.31	581	4	3.72	1269	12	10.79		14	15.04	21
22	32		.18		2	2.51	808	5	7.35		18	10.62	22
23	23		.13			1.83		7	5.00		11	6.75	23
24	13		.08	103		.80	215	1	2.28	191	2	3.02	24
					J								

Ages at	Ages at Entry 35-39		40-44		45-49		9	50-53		3			
Iosur- auce Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Aetual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Insur- auce Years
1	77614	331	318.22	52060	227	244.68	30668	201	196.27	14629	135	133.13	1
2	56539	289	294.00	37958	231	242.93	21994	207	193.55	10790		134.87	2
3	49681	263	268,28	33515	233	231.25	19173	204	182.15	9447	123	130.37	3
4	43077	231	245.54	29115	23 6	218.37	16325	186	169.78	8116	105	121.74	4
5	36669	207	216.35	24910	195	199.28	13648	184	154.23	6887	108	112.26	5
6	31172	208	193.27	21119	170	179.51	12203	146	148.88	5774	106		6
7	26954	172	177.90	18139	147	165.07	10501	134	138.62	4923	111	93.55	7
8	23105	172	161.73	15398	150	150.89	8869	126	126.82	4122	86	84.91	8
9	19895	155	149.22	13122	146	139.10		115		3433	82	77.24	9
10	17714	131	141.71	11565	121	133.00		109	110.09	2968	87	73.31	10
11	14437	136	122.72	9243	118	115.54		107	93.85	2257	57	61.39	11
12	12588	119	114.55	7978	117	107.71	4426	102	86.74	1909	66	57.27	12
13	10832	114	106.15	6912	98	100.92	3792	69	81.15	1577	56	52.20	13
14	9194	100	97.46	5872	90	92.77	3173	69	74.25	1316	51	48.04	14
15	7695	90	88.49	4983	94	85.21	2678	77	68.82	1091	56	43.86	15
16	5793	73	72.41	3690	60	68.26		45	50.37	701	29	30.99	16
17	4673	61	63.09	2994	52	60.18	1415	51	44.15	537	21	26.04	17
18	3712	54	54.20	2362	48	51.73	1080	36		419	24	22.25	18
19	2917	35	46.09	1886	37	45.26		29	31.27	339	17	19.70	19
20 21	2179	31	37.26	1392	33	36.75	602	27	25.10		9	15.23	
21 22	890	19	16.47	621	21	18.07	293	11	13.42	147	7	10.07	21
22	562	14	11.30	376	10	12.07	184	10			5	7.56	
23 24	341	13	7.47	213	7	7.54	104	7	5.73		5	5.30	
24	137	2	3.29	77	5	3.00	44	2	2.65	23	4	2.00	24

TABLE XII (Concluded)

Policies Issued in the United States and Canada on Standard Male and Female Lives January in odd years, july in even years, 1885 to 1908, inclusive data carried to anniversaries of policies in 1909

TEST OF GRADUATION OF M. A. TABLE

Ages a	Ages at Entry 54-56		4-56	57-59			60-62			63 and over			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Insur- ance Years
1	6934	80	84.59	4031	73	64.49	2043	35	41.88	1213	33	32.96	1
2	5234	63	82.70		71	62.47		55	43.65		33	36.30	$\hat{2}$
3	4607	87	84.31	2697	59	64.73		46	44.13		30	1	3
4	3990	77	80.20		57	62.05	!	51	41.13		22	34.90	4
5	3401	69	74.49		64	59.07		37	38.49		26		5
6	2855	70	68.52	1695	49	54.41		32	34.01	468	23		6
7	2435	62	64.29	1463	41	51.79		24			18		7
8	2059	64	59.91	1206	42	47.03		20			21	22.78	8
9	1715	53	55.05	959	42	41.14		25	26.26		18		9
10	1460	44	51.69	820	52	38.62		23		204	19		10
11	1109	44	43.26	587	37	30.29		16			8		11
12	883	31	37.88	468	20	26.49		14	14.75		12	9.50	12
13	735	43	34.62	376	25	23.20		17	13.54		10		13
14	600	33	30.96	297	23	19.84	132	11	11.20		5		14
15	500		28.30		13	16.78		13			2		15
16	306			146	15	11.44	67	8		32	4		16
17	239	19		109	12	9.24	53	2	5.72	25	3	3.69	17
18	185				6		45	11	5.26	17	1	2.81	18
19	131	15	10.26		9	5.97	30	6	3.80	12	3	2.15	19
20	90		7.63		1	5.07	21	4	2.88	6	1	1.23	20
21	46		4.23		7	4.33	7	2	1.04	3	1	.67	21
22	26					3.04			.64			.26	22
23	15		1.62		1	2.20	3	1	.52				23
24	5		.58	4	1	.59	1		.19				24

SYNOPSIS

Ages at	Ages at Entry 15-29				30-39				40-49				
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Insur- ance Years
1	210842	758	713.86	106	177955	658	689.48	95	82728	428	440.95	97	1
2	144470	677	655.26	103	128601	614	639.89	96	59952	438	436.48	100	2
3	125097	598	581.02	103	112828	553	577.70	96	52688	437	413.40	106	3
4	106497	495	505.37	98	97837	540	519.34	104	45440	422	388.15	109	4
5	89345	428	432.34	99	83530	446	460.03	97	38558	379	353.51	107	5
1-5	676251	2956	2887.85	102	600751	2811	2886.44	97	279366	2104	2032.49	104	1-5
6—7	138283	621	676.41	92	132866	796	770.76	103	61962	597	632.08	94	6-7
8-10	139284	676	696.65	97	138432	942	894.28	105	63035	767	775.24	99	8–10
11-15	122492	644	653.18	99	126311	1067	1025.57	104	54242	941	906.96	104	11–15
16-24	48398	321	315.97	102	50926	606	605.49	100	19938	491	521.96	94	16–24
1-24				100	1049286	6222	6182.54	101	478543	4900	4868.73	101	1-24
Ages at Entry 50-59				60 and over				All Ages at Entry					

Ages at	Ages at Entry 50-59					60 and over				All Ages at Entry			
Insur- ance Years	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Exposed to Risk	Actual Deaths	Expected Deaths by M. A. Table	Ratio %	Insur- ance Years
1	25594	288	282.21	102	3256	68	74.84	91	500375	2200	2201.34	100	1
$ar{2}$	19086		280.04	95	2516	88	79.95	110	354625	2084	2091.62	100	2
3	16751	269	279.41	96	2186	76	82.02	93	309550	1933	1933.55	100	3
4	14456	239	263.99	91	1846	73	76.03	96	266076	1769	1752.88	101	4
5	12318	241	245.82	98	1558	63	70.31	90	225309	1557	1562.01	100	5
-1-5	88205	1304	1351.47	96	11362	368	383.15	96	1655935	9543	9541.40	100	1-5
6-7	19145		433.61	101	2332	97	120.52	80	354588	2550	2633.38	97	6—7
8-10	18742	552	528.90	104	2178	126	137.98	91	361671	3063	3033.05	101	1
11-15	13937	581	554.38	105	1274	108	107.05	101	318256		3247.14		
16-24	4137	260	263.14	99	327	47	41.86	112	123726	1725	1748.42	99	16-24
1-24	144166	3136	3131.50	100	17473	746	790.56	94	2814176	20222	20203.39	100	1-24

TABLE XIII
TEST OF GRADUATION OF M. A. TABLE
FIRST POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15–19	17867	3.1	55.4	55	+ .4	+ .4
20-24	84775	3.3	279.8	307	-27.2	-26.8
25-29	108200	3.5	378.7	396	-17.3	-44.1
30-34	100341	3.7	371.3	327	+44.3	+ .2
35–39	77614	4.1	318.2	331	-12.8	-12.6
40-44	52060	4.7	244.7	227	+17.7	+ 5.1
45-49	30668	6.4	196.3	201	-4.7	+ .4
50-53	14629	9.1	133.1	135	- 1.9	- 1.5
54 -56	6934	12.2	84.6	80	+ 4.6	+ 3.1
57–59	4031	16.0	64.5	73	- 8.5	- 5.4
60-62	2043	20.5	41.9	35	+ 6.9	+ 1.5
63-65	927	26.0	24.1	24	+ .1	+ 1.6
66-68	231	30.0	6.9	7	1	+ 1.5
69–70	55	35.0	1.9	2	1	+ 1.4
Total			2201.4	2200	+ 1.4	

Ages at Entry	Exposed To Risk	\mathbf{Graded} $\mathbf{q}_{m{x}}$	Expected Deaths	Actual Deaths	Error	Accumulated Error
15–19	12199	4.3	52.5	53	- .5	5
20-24	56610	4.5	254.7	284	-29.3	-29.8
25–29	75661	4.6	348.0	340	+ 8.0	-21.8
30-34	72062	4.8	345.9	325	+20.9	9
35–39	56539	5.2	294.0	289	+ 5.0	+ 4.1
40–44	37958	6.4	242.9	231	+11.9	+16.0
45–49	21994	8.8	193.5	207	-13.5	+ 2.5
50–53	10790	12.5	134.9	133	+ 1.9	+4.4
54-56	5234	15.8	82.7	63	+19.7	+24.1
<i>57</i> –59	3062	20.4	62.5	71	-8.5	+15.6
6062	1587	27.5	43.6	55	-11.4	+ 4.2
63–65	709	36.0	25.5	26	5	+ 3.7
66–68	180	47.0	8.5	5	+ 3.5	+ 7.2
69–70	40	57.8	2.3	2	+ .3	+ 7.5
Total			2091.5	2084	+ 7.5	

THIRD POLICY YEAR

Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error
15–19	10408	4.5	46.8	52	- 5.2	- 5.2
20-24	48530	4.6	223.2	251	-27.8	-33.0
25-29	66159	4.7	310.9	295	+15.9	-17.1
30-34	63147	4.9	309.4	290	+19.4	+2.3
35–39	49681	5.4	268.3	263	+5.3	+7.6
40–44	33515	6.9	231.3	233	-1.7	+5.9
45-49	19173	9.5	182.1	204	-21.9	-16.0
50-53	9447	13.8	130.4	123	+7.4	- 8.6
54-56	4607	18.3	84.3	87	-2.7	$-3.0 \\ -11.3$
57-59	2697	24.0	64.7	59	+5.7	-5.6
60-62	1375	32.1	44.1	46	- 1.9	- 3.6 - 7.5
63–65	620	42.9	26.6	20	+ 6.6	
66-68	156	56.6	8.8	9	2	9
69–70	35	69.7	2.4	í	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- 1.1
Total			1933.3	1022		+ .3
Total		I	1933.3	1933	_ + .3	

TABLE XIII (Concluded) TEST OF GRADUATION OF M. A. TABLE

FOURTH POLICY YEAR							
Ages at Entry	Exposed To Risk	Graded q_x	Expected Deaths	Actual Deaths	Error	Accumulated Error	
15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-53 54-56 57-59 60-62 63-65 66-68 69-70	8565 40983 56949 54760 43077 29115 16325 8116 3990 2350 1162 527 128 29	4.6 4.7 4.8 5.0 5.7 7.5 10.4 15.0 20.1 26.4 35.4 47.1 61.7 75.5	39.4 192.6 273.4 273.8 245.5 218.4 169.8 121.7 80.2 62.0 41.1 24.8 7.9 2.2	34 200 261 309 231 236 186 105 77 57 51 15	+ 5.4 - 7.4 +12.4 -35.2 +14.5 -17.6 -16.2 +16.7 + 3.2 + 5.0 - 9.9 + 9.8 + 1.9 + 1.2	$\begin{array}{r} + 5.4 \\ - 2.0 \\ + 10.4 \\ - 24.8 \\ - 10.3 \\ - 27.9 \\ - 44.1 \\ - 27.4 \\ - 24.2 \\ - 19.2 \\ - 29.1 \\ - 19.3 \\ - 17.4 \\ \end{array}$	
Total			1752.8	1769	$\frac{1.2}{-16.2}$	$\frac{-16.2}{}$	

FIFTH POLICY YEAR							
Ages at Entry	Exposed To Risk	Graded Qx	Expected Deaths	Actual Deaths	Error	Accumulated Error	
15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-53 54-56 57-59 60-62	6848 34089 48408 46861 36669 24910 13648 6887 3401 2030 987	4.6 4.8 4.9 5.2 5.9 8.0 11.3 16.3 21.9 29.	31.5 163.6 237.2 243.7 216.3 199.3 154.2 112.3 74.5 59.1 38.5	25 162 241 239 207 195 184 108 69 64	+ 6.5 + 1.6 - 3.8 + 4.7 + 9.3 + 4.3 - 29.8 + 4.3 + 5.5 - 4.9 + 1.5	+ 6.5 + 8.1 + 4.3 + 9.0 + 18.3 + 22.6 - 7.2 - 2.9 + 2.6 - 2.3 8	
63–65 66–68 69–70	440 107 24	51.6 66.8 81.8	22.7 7.1 2.0	20 5 1	$\begin{array}{c} + 2.7 \\ + 2.1 \\ + 1.0 \end{array}$	$\begin{array}{c} + 1.9 \\ + 4.0 \\ + 5.0 \end{array}$	
Total			1562.0	1557	+ 5.0		

Ages at Entry	Expected Deaths	Actual Deaths	Error	Accumulated Error
15–19	121.5	138	-16.5	-16.5
20-24	820.0	805	+15.0	-1.5
25–29	1400.7	1319	+81.7	+80.2
30-34	1631.3	1712	-80.7	- .5
35–39	1664.8	1699	-34.2	-34.7
40–44	1572.6	1524	+48.6	+13.9
45-49	1263.7	1272	- 8.3	+ 5.6
50-53	831.9	879	-47.1	-41.5
5456	549.6	557	- 7.4	-48.9
57–59	398.4	396	+ 2.4	-46.5
60-62	238.0	229	+ 9.0	-37.5
63-65	120.0	110	+10.0	-27.5
66-68	43.7	30	+13.7	-13.8
69-70	5.7	9	- 3.3	-17.1
Total	10661.9	10679	-17.1	_



THE ACTUARIAL SOCIETY OF AMERICA AND ASSOCIATION OF LIFE INSURANCE MEDICAL DIRECTORS

New York, 2d May, 1910.

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

Dear Sir:

Enclosed are the various documents in connection with the joint Investigation to be conducted by The Actuarial Society of America and The Association of Life Insurance Medical Directors upon business in the United States and Canada.

COMPANIES JOINING IN THE INVESTIGATION

As far as is known at the present time, all the companies (about 40) which are represented jointly in the two Societies will undertake the work. It is definitely known that all the large companies will take part in it.

CLASSES TO BE INVESTIGATED

The Committee has been at work for over a year in determining the classes to be investigated. They have carefully considered during that time every suggestion received from Actuaries and Medical Directors. It is not expected that the lines of the investigation will agree exactly with the ideas of any particular company, but it is believed that the classes selected for investigation are those on which the great majority of companies desire information. If all suggestions had been accepted, the investigation would have become unwieldy by reason of the large number of classes to be investigated. Ample provision has been made for the companies to record on the policy sheets or on the Hollerith cards any additional information which they may desire for their individual use. By joining in the investigation, therefore, the companies have the opportunity of contributing to the store of general knowledge, and also have an opportunity to investigate other phases of their business. The Committee is willing to complete such mortality investigations of an individual company's business, the actual cost to be paid by the company, provided the data are such as can be recorded on the Hollerith cards adopted by the Committee, and that the codes used by the company receive the approval of the Committee. These would include investigations by kind of policy, habitat, additional medical impairments and occupations, etc., either for the groups called for by the Committee or for more extensive groups.

EXPENSE OF INVESTIGATION

The companies may send their data to the Committee in the form of

- (a) Policy Sheets,
- (b) Punched cards, or
- (c) Exposed to risk and deaths.

The expenses cannot, therefore, be assessed in the same manner as in the Specialized Investigation, and the Committee has accordingly decided on the following plan:

1. If a company furnishes policy sheets, it will be charged with the actual cost of punching and sorting its cards, including share of rent, supervision and incidental expenses in connection with that work.

- 2. If a company furnishes Hollerith cards, it will be charged with the actual cost of sorting its cards, including the share of rent, supervision and other incidental expenses connected with that work.
- 3. The foregoing companies will also be charged with the cost of calculating their exposed to risk, each company being supplied with the result of the tabulation of its own business in the groups investigated by the Committee.
- 4. Each contributing company will be charged \$500 as its share of the expenses of the preliminary work, of combining the exposed to risk and deaths of all the contributors, of printing, rent, supervision and all other general expenses. Any excess over the aggregate sum thus accumulated will be charged among the companies in proportion to their respective business in force at the end of 1909.

TIME AT WHICH THE DATA SHOULD BE IN THE HANDS OF COMMITTEE

The Committee thinks that the period of a year is sufficient in which to prepare the data for the joint investigation. In order to give the companies a little leeway, however, we suggest that they plan to complete their work by the end of June, 1911. To facilitate the work of the Committee in perforating cards and in sorting and tabulating the material, it is very important that the companies do not delay forwarding their data until June, 1911, but that portions thereof be sent in as soon as completed.

Yours truly,

H. WILLARD, President,
OSCAR H. ROGERS,
EDWARD K. ROOT,
BRANDRETH SYMONDS,
HARRY TOULMIN,
E. W. DWIGHT, Secretary,
For the Association of Life Insurance
Medical Directors.

JOHN K. GORE, President,
EMORY McCLINTOCK,
T. B. MACULAY,
D. H. WELLS,
A. A. WELCH, Vice President,
J. M. CRAIG,
E. E. RHODES,
ROBERT HENDERSON,
ARTHUR HUNTER, Secretary,
For the Actuarial Society of America.

INSTRUCTIONS AND GENERAL INFORMATION

1. SCOPE OF INVESTIGATION

The joint investigation has to do with the issues of the years 1885 to 1908, both inclusive, the data to be carried to the anniversaries of the policies in 1909. It includes a study of the following:

- (a) 68 groups of occupations involving hazard.
- (b) 76 groups of medical impairments.
- (c) 4 groups of women.
- (d) 2 groups of colored risks.
- (e) 4 groups of joint life policies.
- (f) The necessary groups to provide an accurate Standard Table of Heights and Weights and to determine the influence of build on longevity.

As many companies may desire to extend the investigation of their own business, provision has been made, as will hereafter be explained, for recording many other occupations and groups of medical impairments; also for their investigating the mortality by kinds of insurance, by habitat, and by amounts insured.

2. RECORDS OF COMPANIES

The records of the companies contributing to this investigation are in one of three conditions, viz.:

- (a) The data to be used in the investigation have not been touched—all the records being on the registers, original applications and medical examination papers.
- (b) The data of some of the companies have already been transferred, either wholly or in part, to cards, the material being recorded thereon, either in longhand or in symbols.
- (c) The data of some of the companies have already been abstracted, grouped according to homogeneous classes and prepared for "exposed to risk" sheets.

3. HOW DATA MAY BE FURNISHED

Each Company has the choice of presenting to the Committee its data in one of the following forms:

- (a) On Policy Sheets, as prepared by the Committee.
- (b) On punched cards (Hollerith System).
- (c) On sheets giving the "exposed to risk" and deaths for each class and for each subdivision of the class which the Committee may desire, the blank sheets to be furnished by the Committee. Companies which elect this method of furnishing their data are urgently requested not to prepare these sheets before obtaining from the Committee full details of the sub-groups which it will require in the various classes of medical impairments.

4. MATERIALS TO BE USED

The investigation is to include all policies coming within the scope of (a) to (f) inclusive under Paragraph No. 1, excepting the following, of which no record need be made:

- (a) Policies marked off as "not taken."
- (b) Policies terminated, otherwise than by death, in the same calendar year as dated.
- (c) Policies issued in exchange without new application. Convertible Term Policies and Policies issued with a preliminary term are not to be considered as coming in this category but are to be taken for the combined duration of the original and the exchanged policy.
- (d) Policies for less than \$1,000. In determining the amount for this purpose, Instalment Policies are to be taken at the yearly annuity-certain multiplied by the number of years for which it is payable.
- (e) Policies taken outside of the United States and Canada.
- (f) Policies issued by way of reinsuring part of the risk of another company.
- (g) Policies sub-standard for medical reasons, i.e., those in which a greater premium has been charged for a given insurance, or a smaller insurance granted for the regular premium, or which have been placed in a special dividend class, because the risk has been found to be below the usual medical standard; but cases sub-standard by reason of family history only, shall be included.

Sub-standard Occupations: Policies **sub-standard** on account of **occupation**, are to be included in the investigation. Include therefore in the data to be abstracted for the purposes of this investigation, the following:

Policies on which an extra premium has been charged or the age advanced on account of occupation.

Policies which have been placed in a special dividend class on account of occupation.

Policies which have been limited to the higher-priced plans on account of occupation.

Policies on which a smaller insurance has been granted for a given premium on account of occupation.

5. AGE

The age at issue shall be counted from the nearest birthday. Those companies that have made use of the **next** birthday should be especially careful as to this rule. A rated-up age shall be disregarded and the true age used.

6. DURATION

The duration of the insurance is the difference in **years** between the year of issue and the year of termination, excepting where the termination is by death. In the latter case, if death has occurred **before** the anniversary of the policy, in the calendar year of death, the difference between the year of issue and the year of death is to be recorded as the duration; if death has occurred **after** the anniversary of the policy, this duration must be increased by one year. For example,—Policy Date, July 1, 1885; Date of Death, August 15, 1895. Duration,—not ten years but **eleven years**.

In determining the duration of policies which have been reinstated the fact that they had lapsed is to be ignored.

7. BUSINESS IN FORCE IN 1909

All policies in force at the anniversaries of their dates in 1909 must be considered for this investigation as if terminated in 1909. Deaths that have occurred after the anniversary in 1909 must not be recorded and the policy must be regarded as still in force as of the anniversary, 1909.

8. OCCUPATION CHANGES

In all cases the occupation at the time of issuance of the policy is to be used, and any changes of occupation which may have taken place thereafter are to be disregarded.

9. JOINT LIFE POLICY CHANGES

In the case of Joint Life Policies where the Joint Life plan has been changed to Single Life plan, the case shall be regarded as having terminated at the time of the change.

10. CANCELATION SLIPS

Cancelation Slips will be provided in quantities as called for by the companies. These are printed slips each of which contains ten columns of figures, from 0 to 99 in each column. Each slip thus represents 1,000 policy numbers. The figures 000 are printed at the top of the first column, 100 at the top of the second and so on. Additional figures should be written at the top of the first column to indicate which block of 1,000 numbers is intended to be covered. The block of 1,000 numbers to which the first policies belong, which were dated in the year 1885, should be thus marked on the first slip and successive slips should similarly be headed for successive blocks of 1,000 numbers each, ending with the block which contains the numbers of the latest policies dated in 1908.

The first work to be done is to take these Cancelation Slips to the registers which indicate whether or not each policy written has been taken and paid for. Policies not put in force or lapsing in the calendar year of issue may be noted on the slips by passing a pencil across the respective numbers. Any Company may dispense with the Cancelation Slips if it can in any other way more convenient to itself prepare the Policy Sheets or Build Sheets as desired.

11. POLICY SHEETS

For the purpose of carrying on this investigation, policy sheets have been prepared which provide for the entire record of each case, one policy to each line on the sheet. In the case of Joint Life policies, however, one line on the sheet shall be devoted to each life. These sheets will be furnished by the Committee in quantities to meet the needs of each Company.

One sheet must not contain policies dated in different years, the calendar year of issue being noted in the space provided for it at the top of the sheet. Policies dated back out of order to the preceding year should therefore be noted on a sheet pertaining to that year. When more than one policy has been written on the same application, the successive numbers for the same calendar year of issue should be noted in successive lines and connected by a bracket, the class numbers and age being noted only on one line opposite such bracket. Examination must be made concerning the duration of each policy included in the bracket and the duration of the one longest in force must be noted. It is not positively necessary that the policy numbers should invariably be in numerical order, such order being desirable for convenience only.

12. BUILD SHEETS

Build Sheets have also been prepared for use in the Special Study of Height and Weight and of the influence of Build on Longevity.

13. HOLLERITH CARDS

Hollerith cards have been prepared for the purposes of the investigation, and are fully described in a separate memorandum attached hereto.

RULES

The following rules apply especially to the work of abstracting the data from the original records and therefore apply only in part to the work of those companies whose data have already been more or less brought to completion:

I. CANCELATION SLIPS

Check Cancelation Slips through the registers and strike out all the useless material, as defined in Paragraph 4—"Material to be Used."

II. RECORDING THE DATA

Review carefully all the applications and medical records of all policies remaining on the Cancelation Slips, in connection with the lists of groups to be investigated, and where a case is found not to come within any of these groups, no record of it need be made, excepting where it is needed for the Build Study (see study—"The Influence of Build on Longevity.") All cases found to belong to one or more of the groups are to be carefully recorded by means of the symbols provided in the lists.

III. ORDER OF IMPORTANCE

Note.—The Medical Impairments are deemed to rank in importance according to their position on the list of medical impairments,—thus Syphilis is deemed to be of first importance; a history of Sugar in the Urine is deemed to stand next in importance to Syphilis; a history of Albumin in the Urine to stand next in importance to a history of Sugar in the Urine, and so on.

Rule.—The Medical Impairments which are included in the investigation shall be recorded on the sheets in the order of their importance, the lowest code number first.

IV. ONE LINE TO A POLICY

Each policy shall occupy one line on the sheet, excepting that Joint Life Policies shall occupy one line for each life.

V. AVOIDANCE OF ERROR

The original applications and medical reports of all policies that come within the scope of the inquiry shall be examined independently by two persons and the facts found by them shall be recorded independently on separate sheets. The sheets thus prepared shall, when completed, be compared by persons not concerned in their preparation. If the facts recorded on the two sheets are found to be identical, the record may be accepted as correct; if any difference is found, the original papers shall be consulted with a view to ascertaining the facts, and correcting the records.

VI. DEATHS

Great care must be observed in handling the applications and medical reports of cases which have terminated by death. Experience has shown that it is difficult to handle these records in exactly the same way as if the policies were still in force. Special care must be taken that cases which have terminated by death are not recorded as lapsed.

VII. WHEN IN DOUBT

Whenever a clerk engaged in recording on the sheets the facts contained in the applications and medical reports is in doubt as to the interpretation to be given to any fact of record, the original papers shall be referred to the Actuary to decide with respect to Actuarial facts; or to the Medical Director to decide as to the Medical facts.

VIII. CONSULT THE COMMITTEE

If the Actuary or the Medical Director is in doubt with respect to any question thus raised, that question shall be referred to the Committee in charge of the investigation for adjudication and the final disposition of the case shall be suspended pending the decision of the Committee. It is hoped that these references will not relate to **unimportant** matters.

IX. TRANSFER OF RECORDS

When the records written in code on the sheets have finally been certified as correct, the information contained on these sheets may be transferred to punched cards for the use of the Committee, or the sheets themselves may be handed to the Committee for the purpose of having punched cards made from them. Should any Company prefer to punch its own cards, the same care must be taken with respect to the transfer of the records as is prescribed by Rule V(Avoidance of Error) above.

Note.—Punched Cards.—It is hoped that all of the contributing companies will make use of the punched cards, a copy of which, together with instructions for preparing them, is attached hereto. This work may be done by the companies themselves or the Library Bureau will undertake the work for them.

The Committee advises the companies not to attempt to punch the cards directly from the applications and the medical reports, as experience has shown that such a method results in slower progress and more errors than by using an intermediary like the policy sheets.

X. TABLE OF HEIGHTS AND WEIGHTS

The table of Heights and Weights adopted by the Committee is the age group 35-39 of the Shepherd Table, slightly modified and extended so as to include very tall and very short persons. It is to be used without regard to the age or sex of the applicant.

The height and weight of each case shall be compared with this table and the degree of over or under weight shall be recorded in symbols, and not the actual height and weight; thus,—a person 5 ft. 7 in., 152 lbs. shall be recorded as 0 Build; a person 5 ft. 7 in., 167 lbs. shall be recorded as 1; a person 5 ft. 7 in., 123 lbs. as 7, etc.

The height is to be taken to the nearest inch, and the weight to the nearest pound. In even years of issue a $\frac{1}{2}$ inch of height should be disregarded and in odd years of issue it should be taken as 1 inch. A $\frac{1}{2}$ pound in weight should be disregarded.

Cases falling in groups 13, 14, 15, 16, 22, 23, 26, 27, 42, 49, 50, 51, 52, 53, 54, 55 must have the build recorded in symbols in all cases. It is optional to record the build in other cases unless they fall in Build Groups 3, 4, 5, 7, 8, 9,—in which event it must be recorded.

A NEW STANDARD TABLE OF HEIGHTS AND WEIGHTS A STUDY OF THE INFLUENCE OF BUILD ON LONGEVITY

After a careful study of the facts now available, the Committee is of the opinion that the Table of Heights and Weights now in use among the companies does not express the actual facts and that it is desirable to establish a new Standard Table of Heights and Weights based upon a larger amount of data than the last. At the same time it is important to make a careful study of the influence of Build on Longevity.

To accomplish these two purposes the companies are requested to furnish records of all cases in their entire business on standard lives (policies issued at regular rates) in the United

States and Canada for the years 1885 to 1908, both inclusive, which are 15% or more underweight and 25% or more overweight, i. e., all cases which fall in groups designated by the symbols 3, 4, 5, 7, 8 and 9 of the Table of Weights adopted by the Committee. In addition to this, as the mass of business thus accumulated will not contain any cases falling near the average build, i. e., in Groups 0, 1, 2 and 6 of the Committee's Table, the companies are requested to furnish a record of the Heights and Weights of the entire business on Standard lives for one month in each of the sixteen years, 1885 to 1900, both inclusive. In order to secure an average of Summer and Winter weight, the entire "Standard" business for one month in each of the sixteen years here referred to will consist of the business of the months of January in the odd years and of July in the even years. Cases which have been treated by the companies as sub-standard either on account of medical impairment or hazardous occupation are to be excluded.

This study of Heights and Weights and of the Influence of Build on Longevity is separate and distinct from the studies of Occupations and Medical Impairments, and special Build Sheets and Build Cards have been prepared by the Committee for the purposes of this study. Many cases which fall within the various Impairment Groups will also fall within the Build Groups here referred to, and therefore the records of the same cases will frequently occur in both studies and will have to be recorded on both the Impairment Sheets and the Build Sheets, on the Impairment Cards and on the Build Cards.

The Special Build Sheets and Build Cards furnished by the Committee call for the Age at Issue, the Year of Issue, the Duration, the Cause of Termination, the Cause of Death, the actual Height in feet and inches to the nearest inch and the actual Weight in pounds to the nearest pound, the degree of over and under weight recorded in appropriate symbols as referred to in Rule X. In even years of issue a $\frac{1}{2}$ inch of height should be disregarded and in odd years of issue it should be taken as 1 inch. A $\frac{1}{2}$ pound in weight should be disregarded.

The data on the Build Sheets and Build Cards are to be brought down to the anniversary of 1909, in the same way as in the Impairment and Occupation Studies.

To recapitulate: The cases to be used in the Mortality study of Build and in establishing a new Standard Table of Heights and Weights are of two categories, viz.:

- (1) The entire business of the companies in the Januarys of the odd years and the Julys of the even years during the sixteen years from 1885 to 1900, both inclusive.
- (2) All cases found on the Company's records between the years 1885 and 1908, both inclusive, which fall within the Weight Groups 3, 4, 5, 7, 8 and 9 of the Committee's Table. These cases will furnish sufficient material for studying the heavy weights and the light weights.

Where a record for the purposes of this study has been made because a case falls within the first category here mentioned, no record of it should be made because it happens also to fall in the second category,—that is to say, where the same case falls in both categories, only one record of it should be made.

Both these groups are to be carried down to the anniversary of 1909, in the same way as in the Occupation and Medical Impairment Studies.

SYNOPSIS OF INFORMATION REQUIRED REGARDING "BUILD" (SEE ALSO MEDICAL IMPAIRMENTS)

- 1. Build sheets or cards for all heights and weights for one month of each of the years 1885 to 1900, inclusive. (January, 1885, July, 1886, January, 1887, and so on.)
- 2. Build sheets or cards for each of the years of issue 1885 to 1908, inclusive, for all cases where the applicant is more than 25% overweight or more than 15% underweight,—that is,

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those coming within the Build Groups 3, 4, 5, 7, 8 and 9,—except such as are issued in January, 1885, July, 1886, etc., and are covered by 1.

- 3. General sheet or card. In all medical impairments and in all occupations the build is to be recorded if the applicant is more than 25% overweight or more than 15% underweight,—that is, comes within the Build Groups 3, 4, 5, 7, 8 and 9.
- 4. General sheet or card. In certain of the medical impairments the Build Group is to be recorded in all cases, these impairments being 13, 14, 15, 16, 22, 23, 26, 27, 42, 49, 50, 51, 52, 53, 54 and 56.

Under the above arrangement, a Build and a General card will sometimes be required on the same life: that is, it will be included both in the Build and in the Policy sheets.

The data under "1" and "2" are to be kept separate, different colored sheets and cards being prepared for that purpose.

While the data under "1" are to include the issues of the years 1885 to 1900 only, the records of these policies are to be taken to their anniversaries in 1909.

MEDICAL IMPAIRMENTS (REQUIRED)

Each medical impairment shall be accompanied by the symbols indicating the **number** of attacks and the **time** of occurrence of the last attack prior to the date of examination; thus,—

X-skip;

K-found on examination;

A-one attack within two years of the date of application;

B-one attack within 3, 4, or 5 years of the date of application;

C—one attack within 6 to 10 years of the date of application;

D-one attack more than 10 years prior to the date of application;

E-2 or more attacks, the last one within 2 years of date of application;

F—2 or more attacks, the last one within 3, 4, or 5 years of date of application;

G-2 or more attacks, the last one 6 to 10 years prior to date of application;

H-2 or more attacks, the last one more than 10 years prior to date of application;

J—an attack at an indefinite time in the past.

Thus,—one attack of Renal Colic within a year is indicated by 24A, two attacks of Rheumatism, the last of which occurred four years ago, is indicated by 25F; several attacks of Intermittent Fever, the last one occurring one year ago, is indicated by 38E.

Certain of the impairments need not be recorded if they occurred more than a certain number of years prior to date of application; for example, an attack of Gout more than ten years ago need not be recorded; a history of Asthma more than five years before the date of examination, etc. These time limits are noted in connection with the impairments to which they apply.

PERSONAL HISTORY

Note.—Cases falling in groups 13, 14, 15, 16, 22, 23, 26, 27 and 42, as well as those noted below under "Family History," 49 to 55 inclusive, must have the build recorded in symbols in the column reserved for Build. In all other groups of medical impairments the recording of build is optional except it fall within the Build groups 3, 4, 5, 7, 8 and 9, in which event it must be recorded.

Cod

- 1. Syphilis, History of, surely, thoroughly treated, two years continuous treatment, and one year freedom from symptoms.
- 2. Syphilis, History of, surely, not thoroughly treated.

- 3. Syphilis, History of, surely, no details of treatment given.
 - (Surely—i. e.,—include in groups 1, 2 and 3 only those cases in which the disease was certainly present.)
- 4. Syphilis, History of, doubtful.
 - (**Doubtful**,—i. e.,—include in this group those cases in which there is doubt whether the disease ever was present.)
 - *Note—In groups 5, 6, 7, 8, 9, 10, 11, 29, 30, 31 and 32, information, if not more than 10 years old, received from other companies at the time of considering the application must be employed as a part of the record of the reporting Company provided it is in sufficient detail to make it available. Each such record is to be considered as an "Attack." Two or more reports, however, of the same impairment recorded within sixty days of each other shall be considered as one report.
- 5.*Sugar in the Urine, History of, within 10 years.
- 6.*Albumin in the Urine, without casts, History of, within 10 years.
- 7.*Albumin in the Urine, without examination for casts, History of, within 10 years.
- 8.*Albumin in the Urine, with only hyaline casts, History of, within 10 years.
- 9.*Albumin, with granular and other casts, History of, within 10 years.
- 10.*Casts, Hyaline alone, without Albumin, History of, within 10 years.
- 11.*Casts, Granular and other than Hyaline, without Albumin, History of, within 10 years.
- 12. Gall Stones or Hepatic Colic, History of.
- 13. Tuberculosis of the Lungs, with or without blood-spitting, History of.
- 14. Blood-Spitting, History of, without a distinct history of Tuberculosis of the Lungs.

 (The blood-streaked sputum of Pneumonia or of acute Bronchitis should be excluded.)
- 15. Tuberculosis of Glands, including scrofulous glands of neck, History of.
- 16. Tuberculosis of Bone (hip, spine and other joints), History of.
 - Note.—The Time symbols are also to be used in groups 17 to 21 inclusive: thus, if last occasional excess were one year ago, the E would be used; if the applicant had taken a cure once for alcoholic habits three years ago, the B would be used.
- 17. Habits as to Alcohol, occasional excesses, History of.
- 18. Habits as to Alcohol, steady, free user, History of. (Decision as to the cases which properly fall in this group is left to the individual companies.)
- 19. Former Intemperate Habits, reformed without treatment, History of.
- 20. Taken Cure for alcoholic habits, total abstainer since cure, History of.
- 21. Taken Cure for alcoholic habits, not total abstainer since cure, History of.
- 22. Pleurisy (Purulent), History of.
- 23. Pleurisy other than purulent, History of.
- 24. Renal Colic, Gravel, Calculus, History of.
- 25. Rheumatism, acute articular, History of,—the last attack within 5 years,—exclude Muscular Rheumatism.
- 26. Fistula in Ano, with or without operation, History of, within 10 years of examination.
- 27. Exposure to Tuberculosis, History of, with date of last exposure. (Living in house with tubercular person.)
- 28. Gout, History of, within 10 years of examination.
- 29.*Pulse, Irregular. Found on examination or History of, within 10 years.
- 30.*Pulse, Intermittent. Found on examination or History of, within 10 years.
- 31.*Pulse, 90 to 100. Found on examination or History of, within 10 years.
- 32.*Pulse, over 100. Found on examination or History of, within 10 years.
- 33. Asthma, History of, within 5 years of examination.

Code

- 34. Gastric Ulcer and Haematemesis, History of.
- 35. Goitre.

Note.—In the Groups 36, 37 and 38, following, the habitat shall be recorded as per Habitat Code.

- 36. Malarial Fever, pernicious, including all cases of malarial Hematuria,—Swamp Fever, Black Water Fever, etc., History of.
- 37. Malarial Fever, remittent, History of,—only cases distinctly stated to be remittent in type.
- 38. Malarial Fever, History of—all others. This includes ordinary Chills and Fever, Fever and Ague, Malarial Fever, Intermittent Fever.
- 39. Appendicitis, without operation, History of, last attack within 10 years.
- 40. Stricture of the Urethra, History of, within 10 years of examination.
- 41. Suppurative Middle Ear Disease, History of, within 5 years of examination,—Otorrhoea, Discharge from Ear.
- 42. Abdominal Girth greater than Chest Expanded.

Note.—Indicate how much greater the abdominal girth is than the girth of the chest expanded by the following symbols of the Time Code:

- A. 0—1 inch.
- B. $1\frac{\pi}{4}$ —2 inches.
- C. $2\frac{1}{4}$ —3 inches.
- D. all over 3 inches, inclusive.
- 43. Infantile Paralysis, History of.
- 44. Spinal Curvature, not tubercular, History of.
- 45. Pneumonia, History of, two or more attacks.
- 46. Nervous Prostration, Nervous Exhaustion or Neurasthenia, History of, lasting at least one month, within 5 years of examination.
- 47. Total Blindness.
- 48. Total Deafness.

FAMILY HISTORY

(Limited to parents, brothers and sisters.)

A parent, brother or sister still living but ill of one of the diseases, 49-60 inclusive, shall be counted as having died of it.

Note.—Cases falling in Groups 49 to 55 following, both inclusive, must have the build recorded in symbols in all cases, in the column reserved for Build.

- 49. Tuberculosis in Family Record, both parents and one or more brothers or sisters dead of.
- 50. Tuberculosis in Family Record, one parent and two or more brothers or sisters dead of.
- 51. Tuberculosis in Family Record, one parent and a brother or sister dead of.
- 52. Tuberculosis in Family Record, two or more brothers or sisters dead of.
- 53. Tuberculosis in Family Record, one brother or sister dead of.
- 54. Tuberculosis in Family Record, two parents dead of.
- 55. Tuberculosis in Family Record, one parent dead of.
- 56. Apoplexy or Paralysis in Family Record, two or more cases.
- 57. Insanity in Family Record, two or more cases.
- 58. Epilepsy in Family Record, two or more cases.
- 59. Diabetes in Family Record, two or more cases.
- 60. Cancer in Family Record, two or more cases.
- 61. Heart Disease in Family Record, two or more cases.

Code No. PERSONAL HISTORY

- 62. Drug Addiction, History of.
- 63. Major Surgical Operation on Kidney, History of.
- 64. Major Surgical Operation, Removal of Gall Bladder, History of.
- 65. Major Surgical Operation on Stomach, History of.
- 66. Major Surgical Operation on Prostate, History of.
- 67. Major Surgical Operation on Bladder, History of.
- 68. Amputation of Thigh.
- 69. Hysterectomy, History of.
- 70. Removal of both ovaries, History of.
- 71. Epilepsy, History of.
- 72. Insanity, History of.
- 73. Hernia, ventral or umbilical, with truss or support.
- 74. Hernia, all other varieties, with truss or support.
- 75. Hernia, ventral or umbilical, without truss or support.
- 76. Hernia, all other varieties, without truss or support.

MEDICAL IMPAIRMENTS (Optional)

These impairments with code numbers are placed here for the convenience of such Companies as choose to make use of them. They may also be found convenient at some future date for collective study.

- 77. Vertigo or Syncope within 5 years.
- 78. Sunstroke or Heat Prostration within 10 years.
- 79. High Arterial Tension, from 160 to 180.
- 80. High Arterial Tension, over 180.
- 81. Disease of Prostate Gland without operation, within 5 years.
- 82. Functional or Cardio-Respiratory Murmur.
- 83. Cystitis, Inflammation of the Bladder, within 5 years.
- 84. Hematuria, not malarial, history of.
- 85. General Appearance Fragile, not Robust.
- 86. Hydrocele on examination.
- 87. Floating Kidney, within 10 years.
- 88. Removal of Appendix.
- 89. Operation for Appendicitis, without removal of Appendix.
- 90. Phlebitis.
- 91. Mastoiditis, with or without operation.
- 92. Cancer, suspected in the applicant.
- 93. Heart enlarged.
- 94. Disease of Ovaries or Tubes.
- 95. Disease of Uterus.
- 96. Has had a normal labor.
- 97. Has had instrumental labor.
- 98. Has had Abortion or Miscarriage.
- 99. Pregnant at the time of examination.

Note.—Additional medical impairments may be recorded by individual companies by using the code numbers 100 and above.

OCCUPATIONS (Required)

(The recording of Build is optional unless it fall within build groups 3, 4, 5, 7, 8 and 9, in which event it must be recorded.)

Code

ARMY

1. Commissioned Officers in Army, excluding Chaplains, Physicians, Surgeons and Paymasters.

AUTOMOBILES

- 2. Proprietors and Salesmen in Auto Stations and Garages.
- 3. Repairmen and Machinists in Auto Stations and Garages.
- 4. Chauffeurs, non-racing, not including Testers and Demonstrators.

BAKERS

5. Journeymen Bakers.

COOKS AND CHEFS

6. Male Cooks and Chefs in Hotels and Restaurants.

DRUGGISTS

7. Druggists, retail: Proprietors and Employees.

ELECTRICAL BUSINESS

- 8. Superintendents, Managers and Chief Engineers of Electric Light, Heat and Power Systems.
- 9. Electrical Engineers who handle Live Wires.
- 10. Stationary Engineers and Firemen connected with Electric Light, Heat and Power Systems.
- 11. Linemen (Pole Climbers) and Arc Light Trimmers.

FIRE DEPARTMENT (City)

- 12. Lieutenants, Captains, Chiefs and Assistant Chiefs.
- 13. Firemen, Laddermen, Pipemen and Hosemen.
- 14. Drivers, Engineers, Stokers and Truckmen.

GLASS WORKERS

- 15. Glass Blowers not using machinery, excluding Foremen and Superintendents.
- 16. Bevelers, Grinders, Engravers and Cutters of Glass, exclusive of Foremen and Superintendents.

HATTERS

17. Journeymen Hatters (excluding straw).

LIFE-SAVING CORPS

18. Officers and Men in Life-Saving Corps.

LIQUOR BUSINESS

Code

Hotels With Bar

- 19. Proprietors, Superintendents and Managers of Hotels where there is a Bar, but who do not attend Bar.
- 20. Proprietors, Superintendents and Managers of Hotels attending Bar, either occasionally or regularly.

Saloons, Billiard Rooms, Etc.

- 21. Proprietors and Managers of Saloons, Billiard Rooms, Pool Rooms and Bowling Alleys, with Bar, but who do not attend Bar.
- 22. Proprietors and Managers of Saloons, Billiard Rooms, Pool Rooms and Bowling Alleys, who occasionally or regularly attend Bar.

Brewery

- 23. Proprietors, Managers and Superintendents.
- 24. Clerks.
- 25. Foremen, Malsters, Beer-pump Repairers and Journeymen.

Distillery

- 26. Proprietors, Managers and Superintendents.
- 27. Foremen and Journeymen.

Traveling Salesmen (Liquor)

28. Traveling Salesmen and Collectors for Distilleries, Breweries and Wholesale Liquor Houses, excluding those who have always been total abstainers.

Wholesale Liquor Dealers

- 29. Wholesale Liquor Houses-Proprietors and Managers.
- 30. Wholesale Liquor Houses-Clerks.

Restaurants With Bar

31. Proprietors, Superintendents and Managers of Restaurants with Bar, but who do not attend Bar.

Waiters

32. Waiters in Hotels, Restaurants and Clubs where liquor is served.

MARINE

33. Officers and Engineers on Steamers on Great Lakes.

METAL WORKERS

34. Cutlers, Scissors-grinders, Axe, Plow and other Steel Grinders, exclusive of Foremen and Superintendents.

Code No.

- 35. Burnishers, Buffers, Finishers and Polishers of Metal, exclusive of Foremen and Superintendents.
- 36. Foremen, Assistant Foremen and Working Superintendents of Blast Furnaces.
- 37. Forgemen, Foundrymen and Molders, excluding Foremen and Superintendents.
- 38. Rolling Mill Employees (Hot Iron Workers only), excluding Foremen and Superintendents.

MINING

- 39. Mining Engineers, Superintendents and Managers of Mines, who occasionally go underground, excluding Coal Mines.
- 40. Superintendents and Managers of Coal Mines, who occasionally go underground.
- 41. Foremen and Bosses of Placer, Drift, Hydraulic and other Surface Mines.
- 42. Working Miners of Placer, Drift, Hydraulic and other Surface Mines.
- 43. Foremen and Bosses of Underground Mines, exclusive of Coal Mines.
- 44. Working Miners of Underground Mines, exclusive of Coal Mines.
- 45. Working Coal Miners (Anthracite).
- 46. Working Coal Miners (Bituminous).

NAVY

47. Commissioned Officers in Navy, excluding Chaplains, Physicians, Surgeons and Paymasters.

NURSES

- 48. Trained Male Nurses.
- 49. Trained Female Nurses.

POLICE

- 50. City Policemen.
- 51. Marshals, Sheriffs and Constables, excluding those Chief Sheriffs not exposed to hazard from Occupation.
- 52. Jailers, Wardens and Prison Guards.

POTTERS

- 53. Employees who mold the articles from Potter's Clay, exclusive of Foremen and Superintendents.
- 54. Employees who Glaze the Pottery, excluding Foremen and Superintendents.
- 55. All other Employees of Potteries, excluding Foremen, Superintendents and Office Employees.

RAILROAD

- 56. Railway Passenger Trainmen (not Conductors), excluding issues prior to 1890.
- 57. Railway Locomotive Engineers, excluding issues prior to 1890.
- 58. Railway Locomotive Firemen, excluding issues prior to 1890.
- 59. Check Clerks, Freight Inspectors, Car Inspectors, Car Sealers, Yard Clerks and Yard Masters.
- 60. Track Supervisors and Foremen, Section Foremen.

Code

SAW-MILL

- 61. Sawyers in Saw-Mill, excluding those who work part of the year in other occupations.
- 62. Saw-Filers in Saw-Mill not using Automatic Machines.

SMELTER WORKS

63. Foremen and Workmen (Mill-men),

STRUCTURAL IRON WORKERS

64. Structural Iron Workers (including house smiths and bridge builders).

TEAMSTERS

65. Teamsters, excluding those in the liquor trade.

THEATRICAL PROFESSION

- 66. Actors, including Vaudeville performers, but excluding acrobats and circus performers.
- 67. Actresses, including Vaudeville performers, but excluding acrobats and circus performers.
- 68. Proprietors, Managers and Treasurers of Theatres, Music Halls and Vaudeville Houses.

OCCUPATIONS (Optional)

These occupations are not required for the Medico-Actuarial Mortality Investigation, but the Committee recommends that they be recorded on the policy sheets or cards for possible future investigation.

Code No.

- 100. Army—Physicians and Surgeons.
- 101. Army—Non-commissioned and Petty Officers.
- 102. Army—Soldiers (Privates).
- 103. Baseball Players-Professional.
- 104. Barbers-Hair Dressers-Journeymen.
- 105. Baths—Rubbers and Shampooers.
- 106. Bleachery—Employees.
- 107. Bottlers-Proprietors and Managers.
- 108. Bottlers-Foremen and Journeymen.
- 109. Breweries—Chemists and Compounders of Liquors.
- 110. Breweries-Engineers and Firemen.
- 111. Breweries-Gaugers.
- 112. Bricklayers.
- 113. Butchers (Retail)—Journeymen.
- 114. Butchers—Cutters, Shavers and Skinners in Stock Yards.
- 115. Butlers.
- 116. Bicyclists—Professional.
- 117. Blacksmiths who occasionally shoe horses and Horse Shoers.
- 118. Bookbinders—Journeymen.
- 119. Caisson (Compressed Air)—Workers.
- 120. Carpet Mills-Operatives.

- Code
- 121. Cartridge Factory—Workmen employed in Manufacture.
- 122. Celluloid Factory—Employees.
- 123. Cement Mill-Workers.
- 124. Cigar Makers.
- 125. Concentrator—Wet Process—Foremen and Employees.
- 126. Concentrator—Dry Process—Foremen and Employees.
- 127. Cotton Factory—Operatives.
- 128. Cyanide Works—Employees in.
- 129. Distillery—Clerks.
- 130. Distillery—Chemists and Compounders of Liquors.
- 131. **Distillery**—Gaugers.
- 132. Detectives.
- 133. Domestic Servants (Women).
- 134. Dyers-Journeymen.
- 135. Dynamite Factory-Workmen employed in Manufacture.
- 136. Excise Agents and Internal Revenue Collectors.
- 137. Elevated Railroad Service-Motormen.
- 138. Elevated Railroad Service—Conductors and Guards.
- 139. Enamel Ware Factory-Workers.
- 140. Fertilizer Factory—Workmen.
- 141. Firemen—Stationary—not connected with mines or other hazardous pursuits.
- 142. File Makers.
- 143. Fishermen—In-shore.
- 144. Fishermen—Deep-sea.
- 145. Furriers—Journeymen.
- 146. Grain Elevator—Employees in.
- 147. Granite Works-Blasters and Quarrymen.
- 148. Granite Works-Operators of Surface Machines.
- 149. Granite Works—Cutters.
- 150. Grocery With Bar—Proprietors only.
- 151. Gunpowder Factory—Workmen employed in Manufacture.
- 152. Janitors.
- 153. **Jewelers**—Journeymen.
- 154. Livery Stables—Proprietors.
- 155. Livery Stables—Employees, excluding clerks.
- 156. Lumbermen.
- 157. Match Factory—Employees.
- 158. Marble Works—Cutters, Carvers and Tracers.
- 159. Marble Works-Other Workmen.
- 160. Millers—Journeymen.
- 161. Motormen on Street Electric Lines.
- 162. Navy-Physicians and Surgeons.
- 163. Navy-Petty and Warrant Officers.
- 164. Navy-Sailors and Marines.
- 165. Oil Fields-Drillers, Pumpmen and Gaugers.
- 166. **Oil Refinery**—Operatives.
- 167. Painters (House)—Journeymen.
- 168. Paper and Pulp Mill-Operatives.

- Code
- 169. Plantation Stores in South—with Bar—Proprietors.
- 170. Plasterers—Journeymen.
- 171. Plumbers and Steam Fitters—Journeymen.
- 172. Printing—Photo-engravers (Journeymen).
- 173. Printing—Compositors (Journeymen).
- 174. Printing—Pressmen (Journeymen).
- 175. **Printing**—Electrotypers (Journeymen).
- 176. Printing—Lithographers (Journeymen).
- 177. Railroad-Mail Clerk and Express Messenger.
- 178. Railroad—Signalmen, Switchmen, Signal Repairer—all in Yard.
- 179. Rubber Factory—Employees.
- 180. Saloon-Barkeepers.
- 181. Subway Railway Service-Motormen.
- 182. Subway Railway Service—Conductors and Guards.
- 183. Shoe Manufacture—Operatives.
- 184. Slate Works-Workmen in Quarries.
- 185. Slate Works-Journeymen in Mills.
- 186. Soft Drinks Factory—Proprietors.
- 187. Soft Drinks Factory—Foremen and Bottlers.
- 188. Stone Cutters—Journeymen.
- 189. Sugar Refineries—Employees.
- 190. **Steam Vessels**—Officers and Engineers on coastwise trade, excluding those traveling to the Tropics.
- 191. **Steam Vessels**—Captains and Officers on steamers on River, Lake, Sound and Harbors, excluding Great Lakes.
- 192. Steam Vessels-Officers and Engineers on Ocean Steamers.
- 193. Tailors—Journeymen.
- 194. Tanners—Journeymen.
- 195. Tin Mill-Workmen in Mill.
- 196. Undertakers and Embalmers-Proprietors.
- 197. Valets.
- 198. Veterinary Surgeons.
- 199. Woolen Mills-Operatives.

BUILD—HEIGHT AND WEIGHT UNDERWEIGHT

Code Symbols	9	8	7	6	0	
Height 4 ft. 9 in. 4 ft. 10 in. 4 ft. 11 in.	81 and under 81 and under 82 and under	82— 93 82— 94 83— 95	94—106 95—107 96—108	107—118 108—119 109—121	119—132 120—133 122—134	Height 4 ft. 9 in. 4 ft. 10 in. 4 ft. 11 in.
5 ft. 0 in.	83 and under	84— 96	97—109	110—122	123—136	5 ft. 0 in.
5 ft. 1 in.	85 and under	86— 98	99—111	112—124	125—138	5 ft. 1 in.
5 ft. 2 in.	86 and under	87—100	101—113	114—126	127—141	5 ft. 2 in.
5 ft. 3 in.	88 and under	89—102	103—115	116—129	130—144	5 ft. 3 in.
5 ft. 4 in.	90 and under	91—104	105—118	119—132	133—147	5 ft. 4 in.
5 ft. 5 in.	92 and under	93—106	107—121	122—135	136—150	5 ft. 5 in.
5 ft. 6 in.	95 and under	96—109	110—124	125—139	140—155	5 ft. 6 in.
5 ft. 7 in.	98 and under	99—113	114—128	129—143	144—159	5 ft. 7 in.
5 ft. 8 in.	101 and under	102—116	117—132	133—148	149—164	5 ft. 8 in.
5 ft. 9 in.	104 and under	105—120	121—136	137—152	153—170	5 ft. 9 in.
5 ft. 10 in.	107 and under	108—124	125—141	142—158	159—175	5 ft. 10 in.
5 ft. 11 in.	111 and under	112—129	130—146	147—163	164—181	5 ft. 11 in.
6 ft. 0 in.	115 and under	116—133	134—151	152—169	170—188	6 ft. 0 in.
6 ft. 1 in.	120 and under	121—138	139—157	158—175	176—195	6 ft. 1 in.
6 ft. 2 in.	124 and under	125—143	144—162	163—182	183—202	6 ft. 2 in.
6 ft. 3 in.	129 and under	130—149	150—169	170—189	190—210	6 ft. 3 in.
6 ft. 4 in.	134 and under	135—154	155—175	176—196	197—218	6 ft. 4 in.
6 ft. 5 in.	139 and under	140—161	162—182	183—204	205—226	6 ft. 5 in.

BUILD—HEIGHT AND WEIGHT OVERWEIGHT

Code Symbols	1	2	3	4	5	
Height 4 ft. 9 in. 4 ft. 10 in. 4 ft. 11 in.	133—144 134—146 135—147	145—157 147—158 148—160	158—169 159—171 161—173	170—188 172—190 174—192	189 and over 191 and over 193 and over	Height 4 ft. 9 in. 4 ft. 10 in. 4 ft. 11 in.
5 ft. 0 in.	137—149	150—162	163—175	176—195	196 and over	5 ft. 0 in.
5 ft. 1 in.	139—151	152—165	166—178	179—198	199 and over	5 ft. 1 in.
5 ft. 2 in.	142—154	155—168	169—181	182—201	202 and over	5 ft. 2 in.
5 ft. 3 in.	145—157	158—171	172—185	186—205	206 and over	5 ft. 3 in.
5 ft. 4 in.	148—161	162—175	176—189	190—210	211 and over	5 ft. 4 in.
5 ft. 5 in.	151—165	166—179	180—193	194—215	216 and over	5 ft. 5 in.
5 ft. 6 in.	156—169	170—184	185—199	200—221	222 and over	5 ft. 6 in.
5 ft. 7 in.	160—174	175—190	191—205	206—228	229 and over	5 ft. 7 in.
5 ft. 8 in.	165—180	181—196	197—211	212—235	236 and over	5 ft. 8 in.
5 ft. 9 in.	171—186	187—202	203—218	219—242	243 and over	5 ft. 9 in.
5 ft. 10 in.	176—192	193—209	210—225	226—250	251 and over	5 ft. 10 in.
5 ft. 11 in.	182—199	200—216	217—233	234—259	260 and over	5 ft. 11 in.
6 ft. 0 in.	189—206	207—224	225—242	243—268	269 and over	6 ft. 0 in.
6 ft. 1 in.	196—213	214—232	233—250	251—278	279 and over	6 ft. 1 in.
6 ft. 2 in.	203—221	222—240	241—260	261—288	289 and over	6 ft. 2 in.
6 ft. 3 in.	211—230	231—250	251—269	270—299	300 and over	6 ft. 3 in.
6 ft. 4 in.	219—238	239—259	260—280	281—311	312 and over	6 ft. 4 in.
6 ft. 5 in.	227—248	249—269	270—291	292—323	324 and over	6 ft. 5 in.

CAUSE OF TERMINATION

Code No.

12. 11.

- 0. Lapsed.
- 1. Term Extension.
- 2. Reduced Paid-up.
- 3. Purchased.
- 4. Expired.
- 5. Matured.

6.

7.

8.

9. Dead.

When the policy is in force at the date of the investigation the letter "F" should be entered in the policy sheet under the heading of "Duration." In the case of the perforated cards, the punching of the "X" in the Duration field carries the card to the first column of the Occupation field.

When a company does not desire to give the causes of termination in accordance with the foregoing code, it may use the symbol "0" (Lapsed) for all causes of termination except death, in which case the figure "9" must be used.

The date of termination for the purposes of the present investigation is assumed to take place when the policy goes on Term Extension or reduced Paid-up.

The companies may use 6, 7, 8, 11 and 12 for any additional modes of termination which they desire to record.

SPECIAL CLASS

The first six classes appearing in the following code are desired by the Committee, while it is optional with the companies to furnish the last three (Classes 7, 8 and 9). Nos. 5 and 6 are intended for the use of individual companies.

Code

- 12. Colored Ministers, teachers and other professional men and women.
- 11. All other colored men or women.
- 0. Reserved for use on perforated card.
- 1. Spinsters.
- 2. Married women, husband beneficiary.
- 3. Married women, any other beneficiary than husband.
- 4. Widows and divorced.

5.

6.

7. Indians. No. Am. 8. Chinese.

9. Japanese.

Optional.

KIND OF POLICY

The use of the code for designating the kind of policy is optional except in the case of four classes of Joint Life Policies—Nos. 80 to 83 inclusive. The Committee, however, recommends the companies to abstract the data for their own use or for some future collective investigation. The companies may extend the code by using from 100 to 999.

ORDINARY LIFE AND LIMITED PAYMENT LIFE*

- 10. Ordinary Life or Endowment at age 80 or 85.
- 11. Single Payment Life.
- 12. 5-Payment Life.
- 13. 9 and 10-Payment Life.
- 14. 14 and 15-Payment Life.
- 15. 19 and 20-Payment Life.
- 16. 25-Payment Life.
- 17. 30-Payment Life.
- 18. 35-Payment Life, and over.

ENDOWMENT*

- 30. Single Payment—all periods.
- 31. 5-Year Endowment.
- 32. 9 and 10-Year Endowment.
- 33. 14 and 15-Year Endowment.
- 34. 19 and 20-Year Endowment.
- 35. 25-Year Endowment.
- 36. 30-Year Endowment.
- 37. 35-Year Endowment, and over.
- 38. 15-Year Endowment, 10 Payments.
- 39. 20-Year Endowment, 10 Payments.
- 40. 30-Year Endowment, 20 Payments.
- 41. Other Endowments with payment periods shorter than Endowment periods.

RENEWABLE TERM*

i. e., those renewable at the end of the period.

- 50. 5-Year Renewable Term.
- 51. 10-Year Renewable Term.
- 52. 15-Year Renewable Term.
- 53. 20-Year Renewable Term.
- 54. Yearly Renewable Term.

NON-RENEWABLE*

- 60. 5-Year Non-Renewable and Non-Convertible Term.
- 61. 10-Year Non-Renewable and Non-Convertible Term.
- 62. 15-Year Non-Renewable and Non-Convertible Term.
- 63. 20-Year Non-Renewable and Non-Convertible Term.
- 64. 5-Year Non-Renewable but Convertible Term.
- 65. 10-Year Non-Renewable but Convertible Term.
- 66. 15-Year Non-Renewable but Convertible Term.
- 67. 20-Year Non-Renewable but Convertible Term.
 - *Other Term, Limited Payment Life and Endowment Insurances are to be taken to the nearest period provided in the above code.

SPECIAL TERM

- i. e., those issued with a preliminary term period of 3 or 5 years and convertible automatically into higher priced insurance; for example, into Ordinary Life, both forms being in one contract.
- 70. 3-Year Convertible Term.
- 71. 5-Year Convertible Term.

- 80. Joint Life—two men—Ordinary Life.
- 81. Joint Life—two men—Limited Payment Life and Endowment.
- 82. Joint Life—a man and a woman—Ordinary Life.
- 83. Joint Life—a man and a woman—Limited Payment Life and Endowment.
- 84. Joint Life—three lives—all plans.
- 85. Joint Life—four lives—all plans.
- 86. All other Joint Life Policies.

HABITAT

The use of the Habitat Code is optional, except in connection with the various types of malarial fever, Medical Impairment Groups, Nos. 36, 37 and 38, in which cases the habitat must be recorded if it fall in the Gulf Counties of Alabama and of Texas, in the Seacoast Counties of Georgia, or in the States of Arkansas, Florida, Louisiana and Mississippi. For more detailed study, the State of Arkansas has been divided into Delta Counties and all other Counties; Florida has been divided into Gulf Counties and all other Counties; Louisiana has been divided into Gulf Counties and all other Counties, Delta Counties and all other Counties.

Code			Code	
No. 0.	Alabama.	Gulf Counties.*	28. Mississippi.	Gulf Counties.*
	Alabama.	Other Counties.	29. Mississippi.	Delta Counties.*
2.	Alaska.		30. Mississippi.	Other Counties.
3.	Arizona.		31. Missouri.	
4.	Arkansas.	Delta Counties.*	32. Montana.	
5.	Arkansas.	Other Counties.	33. Nebraska.	
6.	California.		34. Nevada.	
7.	Colorado.		35. New Hampshire.	
8.	Connecticut.		36. New Jersey.	
9.	Delaware.		37. New Mexico.	
10.	District of Colu		38. New York.	
	Florida.	Gulf Counties.*	39. North Carolina.	
	Florida.	Other Counties.	40. North Dakota.	
	Georgia.	Sea-Coast Counties.*	41. Ohio.	
	Georgia.	Other Counties.	42. Oklahoma.	
	Idaho.		43. Oregon.	
	Illinois.		44. Pennsylvania.	
	Indiana.		45. Rhode Island.	
	Iowa.		46. South Carolina.	
	Kansas.		47. South Dakota.	
	Kentucky.		48. Tennessee.	
	Louisiana.	Gulf Counties.*	49. Texas.	Gulf Counties.*
	Louisiana.	Other Counties.	50. Texas.	Other Counties.
	Maine.		51. Utah.	
	Maryland.		52. Vermont.	
	Massachusetts.		53. Virginia.	
	Michigan.		54. Washington.	
27.	Minnesota.		55. West Virginia.	

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- 56. Wisconsin.
- 57. Wyoming.
- 60. Hawaii.
- 61. Philippine Islands.
- 62. Cuba.
- 63. Porto Rico.
- 80. Maritime Provinces, i. e., Nova Scotia, New Brunswick, Prince Edward Island and Newfoundland.
- 81. Province of Ouebec.
- 82. Province of Ontario.
- 83. Provinces of Manitoba, Saskatchewan and Alberta.
- 84. British Columbia.
- 85. Klondike and Yukon Districts.

ALABAMA

0. Gulf Counties.*

Baldwin.

Mobile.

ARKANSAS

4. Delta Counties.*

Arkansas.

Ashley.

Chicot.

Clay.

Craighead.

Crittenden.

Cross.

Desha.

Drew.

Green.

Lee.

Lincoln.

Mississippi.

Monroe.

Phillips.

Poinsett.

St. Francis.

FLORIDA

11. Gulf Counties.*

Alachua.

Calhoun.

Citrus.

De Soto.

Escambia.

Franklin.

Gadsden.

Hernando.

Hillsboro.

Holmes.

Jackson.

Jefferson.

Lafayette.

Lake.

Lee.

Leon.

Levy.

Liberty.

Madison.

Manatec.

Marion.

Monroe.

Pasco.

Santa Rosa.

Sumter.

Suwanee.

Taylor.

Wakulla.

Walton.

Washington.

GEORGIA

13. Coast Counties.*

Bryan.

Camden.

Chatham.

Glynn.

Effingham.

Liberty.

McIntosh.

Pierce.

Wayne.

Charlton.

LOUISIANA

21. Gulf Counties.*

Acadia.

Assumption.

Calcasieu.

Cameron.

Iberia.

Iberville.

Jefferson.

Lafayette.

Lafourche.

Orleans.

Plaquemines.

St. Charles

Quitman.

Tallahatchie.

Warren.

Washington.

Yazoo.

TEXAS

49. Gulf Counties.*

Aransas.
Bee.
Brazoria.
Calhoun.
Cameron.
Chambers.
Fort Bend.
Galveston.
Goliad.
Hardin.
Harris.
Hidalgo.

Hardin.
Harris.
Hidalgo.
Jackson.
Jefferson.
Liberty.
Matagorda
Nueces.

Matagorda.
Nueces.
Orange.
Refugio.
San Patricio.
Victoria.
Wharton.

Lafayette.
Lafourche.
Orleans.
Plaquemines.
St. Charles.
St. Bernard.
St. James.
St. John the Baptist.
St. Mary.
St. Martin.
St. Tammany.
Terrebonne.
Vermilion.
MISSISSIPPI

28. Gulf Counties.*

Hancock. Harrison. Jackson. Pearl River.

29. Delta Counties.*

Bolivar. Coahoma. Issaquena. Leflore. Sharkey. Sunflower.

At the request of several companies the Committee are prepared to investigate the mortality on all policies issued in the years 1885 to 1908, inclusive, in the Habitat groups 0, 1, 4, 5, 11, 12, 13, 14, 21, 22, 28, 29, 30, 49 and 50. The supplying of this information is optional.

CAUSES OF DEATH

Deaths are required to be recorded in the symbols given in this list.

These causes of death are based upon the "International Classification of Causes of Sickness and Death," revised by the International Commission at the Session in Paris, July 1st to 3d, 1909, and issued and printed in 1910 by the Department of Commerce and Labor, Bureau of Census.

The left hand column gives the code number for use in the joint investigation and the definition. The right hand column gives the numbers of the corresponding diseases in the International Classification. For exact definitions Medical Directors can refer to the International Classification, copies of which will be furnished by the Committee.

Code No.	I. GENERAL DISEASES	International Classification	Code No.		International
1.	Typhoid Fever		1	Softening of the Proin	Classification
2.	Typhus Fever	2	35	Softening of the Brain	05
3.	Malaria	2 4–4a	33.	Paralysis without Specified	
4.	Smallpox	5	26	cause	66
5.	Influenza		27	General Paralysis of the Insane	67
6	Miliary Fever.	10	37.	Other forms of Mental Aliena-	
7	Asiatic Cholera	11	20	tion	68
Q.	Cholera Nostras	12	38.	Epilepsy and Non-puerperal	
			20	Convulsions	69-70
10	Dysentery	14	39.	Other Diseases of the Nervous	
10.	Plague	15		System	72-73-74
11.	Yellow Fever	16	40.	Diseases of the Eyes and their	
12.	Erysipelas	18		Annexa	
13.	Other Epidemic Diseases		41.	Diseases of the Ears	76
	B 1	9-17-19	III.	DISEASES OF THE CIRCU	LATORV
14.	Purulent Infection and Septi-			SYSTEM	LATORI
	cæmia		12		
15.	Mycoses	25	42.	Periearditis and Aeute Endo-	o
16.	Pellagra	26	12	carditis	77–78
17.	Tuberculosis of the Lungs	28		Organic Diseases of the Heart	
18.	Other Varieties of Tuberculosis			Angina Pectoris	80
		32-33-34	45.	Diseases of the Arteries, Ather-	
10	0 1:::	35		oma, Aneurism, ete	
	Syphilis			Embolism and Thrombosis	82
20.	Gonococcus Infection		47.	Other Diseases of the Circula-	
21.	Cancer and other Malignant	39-40-41		tory System	83-84-85
	Tumors	42–43–44 45	IV.	DISEASES OF THE RESPI	RATORY
22	Acute Articular Rheumatism	-		SYSTEM	
	Chronic Rheumatism and Gout.		48.	Acute Bronehitis	89
	Diabetes			Chronie Bronchitis	
	Anæmia and Chlorosis			Bronehopneumonia	
	Other General Diseases			Pneumonia	
20.	Other General Diseases	24-27-36	t		
		46-49-51		Asthma and Pulmonary Em-	
		52-53-55		physema	96-97
27.	Aleoholism, Aeute or Chronic	56		Other Diseases of the Respi-)	86-87-88
28.	Chronic Lead Poisoning	57	0 21	ratory System—Tuberculosis	94–98
29.	Other Chronic Poisonings	58-59		excepted)	
			τ:	. DISEASES OF THE DIGE	STTUE
	II. DISEASES OF THE NERV	VOUS	V	. DISEASES OF THE DIGES SYSTEM	21117
	SYSTEM		55	Uleer of the Stomaeh	102
30.	Inflammation of Brain and)	6061		Other Diseases of the)	99–100
	its Membranes			Stomach, Mouth, Pharynx,	101–103
31.	Locomotor Ataxia	62		Œsophagus	
	Other Diseases of the Spinal			Diarrhœa and Enteritis	105
		63		Ankylostomiasis	106
	Cerebral Hemorrhage and Apo-	-		Intestinal Parasites	107
	plexy	64		Appendicitis and Typhilitis	
	£, ,	,			

Code International No. Classification	Code International No. Classification
61. Hernias, Intestinal Obstruction. 109	78. Other Diseases of the Skin) 143–144
62. Other Diseases of the Intestines. 110	and Annexa∫ 145
63. Cirrhosis of the Liver 113	
64. Biliary Calculi 114	IX. DISEASES OF THE BONES AND ORGANS OF LOCOMOTION.
65. Other Diseases of the Liver 111–112	· · ·
66. Simple Peritonitis, non-Puer- peral	79. Diseases of the Bones and Organs of Locomotion (Tuberculosis and Rheumatism excepted)
System, Cancer and Tubercu-	XII. OLD AGE
losis excepted 116–118	80. Senility
losis excepted	oor permity
VI. NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM	XIII. AFFECTIONS PRODUCED BY EXTERNAL CAUSES
AND ANNEXA 68. Nephritis and Bright's Disease 119–120 69. Other Diseases of the Kidneys and Annexa 121–122	81. Suicide
70. Calculi of the Urinary Passage 123	82. Burns and Conflagrations 166–167
71. Diseases of the Bladder, 124–125 Urethra and Prostate and 126–127 non-Venereal Diseases of the	83. Accidental Drowning 169 84. Traumatism in mines and quarries
Male Genitals	85. Traumatism by machines 174
72. Diseases of the Uterus, non- 128–129 Puerperal and non-Cancerous 130	86. Other varieties of Traumatism. 170–171
73. Cysts and Other Tumors of	172–175
the Ovaries	87. Effects of cold, heat, lightning. 178–179
74. Salpingitis and other Diseases of	180
the Female Genitals 132	88. Electricity (lightning excepted) 181 89. Homicide
75. Non-Puerperal Diseases of the	184
Breast (Cancer excepted) 133	90. Fractures, cause not specified 185
VII. THE PUERPERAL STATE	91. Other external violence 164–165
76. Diseases of Pregnancy and the Puerperal State 134–135	168–176 177–186
138–139	WIN III DEBINED DIONICHE
J 140–141	XIV. ILL-DEFINED DISEASES
VIII. DISEASES OF THE SKIN AND	92. Ill-defined organic diseases 187
CELLULAR TISSUE	93. Sudden death
77. Gangrene	94. Cause of death not specified or
77. Gangrene 142	ill-defined 189

DESCRIPTION OF HOLLERITH CARDS

Two cards have been prepared, one for the general investigation and the other for the special investigation by height and weight. The card for the former has been arranged in the following way:

The first thirty-one columns, i. e., those up to the first heavy black line, provide all that is necessary for the joint investigation, with the exception of a few groups which will be referred to later. The next nine columns, i. e., those between the two heavy black lines, cover data which probably all the companies would require in making additional mortality investigations, and which may be desired in some future investigation by the two Societies. The last five columns are reserved for the requirements of the individual companies, some companies having decided to use the two-column field (i. e., the next to the last field) for a more detailed description of the Insured's habitat or residence.

The figures in the first column are to be combined with those in a square at the top of the second and third columns in designating the code number of the company. That can be punched by the companies, or left to the Committee, the latter being more economical, as the work can be done by "gang" punches which perforate 15 cards at a time.

POLICY NUMBER

Provision is made for seven figures in the policy number. If it is deemed to be of assistance to the clerks in future work, the policy number may also be written at the side or at the top.

AGE AT ISSUE

This covers integral ages only, the age at issue to be taken to nearest birthday.

YEAR OF ISSUE

The last two figures of the year of issue are desired, the month and the day having been omitted, as they are not necessary for mortality purposes.

DURATION

It is intended to show integral years only in recording the duration, the rule being given under "Instructions and General Information." When the policies are in force at the anniversaries in 1909 (the date of termination of the investigation) the duration is not to be punched, as it is obtained by sorting the cards by year of issue.

The "X" at the top of the column is provided to allow the perforating machine to skip one or more columns. If the policy is in force at its anniversary in 1909 the duration, cause of termination and cause of death are not required, so the perforating machine is arranged to skip from the first column of the duration field to the first column of the occupation field by punching the "X" in the former.

CAUSE OF TERMINATION

This is indicated by "CSE" "TRM" at the top of the column between the numbers 11 and 12. The card provides for 12 modes of termination.

CAUSE OF DEATH

The code provided by the Committee covers 94 causes of death. If additional code numbers above 100 are desired by individual companies provision may be made by means of an artifice which will be described under the heading of "Impairments."

OCCUPATIONS

The Committee has reserved the first 100 numbers of the code for the occupations to be investigated at this time. A code has also been furnished for numbers 100 to 199, the use of which is optional. That leaves 800 code numbers for the individual needs of each company.

SPECIAL CLASS

This column enables us to record the four groups of women and the two groups of colored risks. The abstracting of the data regarding Japanese, Chinese and Indians is optional.

IMPAIRMENTS

The next 9 columns provide for three different impairments with accompanying symbols (K, A, B, C, etc.) to designate the time elapsed since the duration of the attack, etc. The Committee desires to investigate 76 classes of medical impairments. A list of 23 additional impairments, Nos. 77 to 99, have been provided, the recording of which is optional.

By means of 11 at the head of the unit column the cards may be sorted by the switch known as a "split," making it possible to provide for 200 impairments in each field. Thus, 0 to 99 and 11 with 0 to 99. If any company wishes to provide for more than 100 medical impairments it may do so by the switch or by adding 12 above the "X" and 12 above the 11, thereby providing for 132 code numbers. The latter method is considered better than using the "split," when only a small number of additional medical impairments is to be coded. The same means may be taken to extend the code for the Cause of Death, and in the two last fields in the card.

The "Y" at the top of the last column of the third Impairment field is to be punched if there are more than three impairments. In such cases the additional impairments are to be noted in writing in code number above the word "Impairments."

BUILD

The sheet giving the Committee's table of heights and weights also shows the 10 groups into which the cases are to be divided. For example, an insured who was at date of examination 5 feet 6 inches and weighed 175 pounds, would be in group 2 and would have that code number, irrespective of age or sex. If the build is not to be recorded, "X" should be punched. The "Y" at the head of the column is reserved for the use of individual companies.

The foregoing columns (31) cover all that is required for the Medico-Actuarial Investigation, with the exception of the data pertaining to Joint Life Policies (recorded under "Kind of Policy" code), and to habitat in the case of the impairment of malaria (recorded under "Habitat" code). With these exceptions the recording of the statistics in the following nine columns is optional.

KIND OF POLICY

This provides 1,000 numbers for the kind of policy, the Committee requesting each company to give information in classes 80 to 83, inclusive, relating to Joint Life Policies. They also recommend that the companies abstract from their records the data necessary to fill out the code provided by the Committee for the first 100 numbers.

AMOUNT OF INSURANCE

This provides for the amount of insurance to the nearest \$100. Policies therefore can be recorded up to \$999,900.

HABITAT

The Committee requests the habitat to be given in the cases of medical impairments Nos. 36, 37 and 38, otherwise the use of the code is optional. The Committee recommends that the remainder of the 100 code numbers be reserved for foreign countries, and that the two-column field following be used for counties, cities or localities in the various States, Provinces and Countries.

"Skips" have been provided in the three fields of Kind of Policy, Habitat and Amount of Insurance, so as to facilitate the work when it is not desired to record the data.

The foregoing columns cover all the classes which the Committee desires for the present investigation or which they recommend the companies to prepare for their own use for possible future investigation. The last 5 columns may be used by the companies in any way they deem fit. Some may desire to tabulate the County or City in which the Insured resides, others the "General Agents" or the rated-up age, and so on.

SPECIAL CARD FOR BUILD (HEIGHT AND WEIGHT)

"Build" cards have been provided for preparing a Standard Table of Heights and Weights and for determining the Influence of Build on Longevity. There is nothing which needs explanation in the card with the possible exception of the columns headed Height and Weight—the former should be taken to the nearest inch (see Rule X regarding fractions of an inch) and the latter to the nearest pound. The data for the column headed "BLD" are to be prepared in exactly the same way as for the corresponding column in the general card, the general and the build cards being identical for the first 17 columns. The next to the last column in the build cards (M and F) enables us to segregate the cards on the lives of women, while the last column (B and S) facilitates the division of the two kinds of build cards—see explanation on section headed "A New Standard Table of Heights and Weights."

SPECIMENS	OF FORMS	LISED IN	RECORDING	THE DATA
SPECIMENS	OF FORMS	OSED IN	RECORDING	THE DATA

CANCELATION SLIPS.

	GA	INC		AT	ION	SI —	LIP	S.	
000 1 2 3 4 5 6 7 8 9	100 1 2 3 4 5 6 7 8 9	200 1 23 44 56 67 89	300 1 2 3 4 5 6 7 8 9	400 1 2 3 4 5 6 7 8 9	500 1 23 4 5 6 7 8 9	600 1 2 3 4 5 6 7 8 9	700 1 2 3 4 5 6 7 8 9	800 1 23 4 5 6 7 8 9	900 1 2 3 4 5 6 7 8 9
010 1 2 3 4 5 6 7 8	110 1 2 3 4 5 6 7 8 9	210 1 2 3 4 5 6 7 8 9	310 1 2 3 4 5 6 7 8 9	410 1 2 3 4 5 6 7 8 9	510 1 2 3 4 5 6 7 8	610 1 2 3 4 5 6 7 8 9	710 1 2 3 4 5 6 7 8 9	810 1 2 3 4 5 6 7 8	910 1 2 3 4 5 6 7 8
020 1 2 3 4 5 6 7 8 9	120 1 2 3 4 5 6 7 8 9	220 1 2 3 4 5 6 7 8 9	320 1 2 3 4 5 6 7 8 9	420 1 2 3 4 5 6 7 8 9	520 1 2 3 4 5 6 7 8 9	620 1 2 3 4 5 6 7 8 9	720 1 2 3 4 5 6 7 8 9	820 1 2 3 4 5 6 7 8 9	920 1 2 3 4 5 6 7 8 9
030 1 2 3 4 5 6 7 8 9	130 12 34 56 78 9	230 1 2 3 4 5 6 7 8 9	330 1 2 3 4 5 6 7 8 9	430 1 2 3 4 5 6 7 8	530 1 2 3 4 5 6 7 8 9	630 1 2 3 4 5 6 7 8 9	730 1 2 3 4 5 6 7 8	830 1 2 3 4 5 6 7 8 9	930 1 2 3 4 5 6 7 8 9
040 1 2 3 4 5 6 7 8 9	140 1 2 3 4 5 6 7 8 9	240 1 2 3 4 5 6 7 8 9	340 1 2 3 4 5 6 7 8 9	440 1 2 3 4 5 6 7 8 9	540 1 2 3 4 5 6 7 8	640 1 2 3 4 5 6 7 8	740 1 2 3 4 5 6 7 8	840 1 2 3 4 5 6 7 8 9	940 1 2 3 4 5 6 7 8 9
050 1 2 3 4 5 6 7 8 9	150 1 2 3 4 5 6 7 8	250 1 2 3 4 5 6 7 8 9	350 1 2 3 4 5 6 7 8	450 1 2 3 4 5 6 7 8 9	550 1 2 3 4 5 6 7 8 9	650 1 2 3 4 5 6 7 8	750 1 2 3 4 5 6 7 8	850 1 2 3 4 5 6 7 8 9	950 1 2 3 4 5 6 7 8
060 1 2 3 4 5 6 7 8 9	160 1 2 3 4 5 6 7 8 9	260 1 2 3 4 5 6 7 8 9	360 1 2 3 4 5 6 7 8 9	460 1 2 3 4 5 6 7 8 9	560 1 2 3 4 5 6 7 8 9	660 1 2 3 4 5 6 7 8 9	760 1 2 3 4 5 6 7 8	860 1 2 3 4 5 6 7 8	960 1 2 3 4 5 6 7 8
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090 1 23 4 5 6 7 8	190 12 34 4 5 6 7 7	290 1 22 3 3 4 5 5 6 7 7	390 1 2 3 4 5 7 8	490 1 2 3 4 5 6 7 8	590 1 2 3 4 5 6 7 8	690 1 2 3 4 5 6 7	790 1 2 3 4 5 6 7 8	890 1 2 3 4 5 6 7 8	990 1 2 3 4 5 6 7

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

BUILD SHEET

Year of Issue

Company Number

IBSUES OF JANUARY, 1885, 1887, ETC., TO 1899 INCLUSIVE AND OF JULY, 1886, 1888, ETC. TO 1900 INCLUSIVE-ALL BUILDS

SEX MARK ("F") Вгр. Окопь WEIGHT LBS. HEIGHT IN FEET AND INCHES DEATH CAUSE CSE. TRM. DURA-AGE AT ISSUE POLICY NUMBER SEX MARK "F" OR WEIGHT IN LB8. HEIGHT INFEET AND INCHES CAU8E OF DEATH CSE. TRM. DURA-AGE AT ISSUE POLICY NUMBER

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

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ar of Issue.

BUILD SHEET

Company Number

GUILD GROUPS S, 4, 5, 7, 8 AND 9 ONLY. 188UES OF 1885 TO 1908 INCLUSIVE EXCLUDING CASES ISSUED IN JANUARY OF ODD YEARS AND JULY OF EVEN YEARS 1885 TO 1900 INCLUBIVE

SEX MARK ("F") WEIGHT IN LBS. HEIGHT IN FEET AND INCHES CAUSE OF DEATH све. твм. DURA-AGE AT ISSUE POLICY NUMBER SEX MARK I'F" Вгр. Эволь WEIGHT IN LBS. HEIGHT INFEET AND INCHES CAUSE DEATH CSE, TRM. DURA-AGE AT ISSUE POLICY NUMBER

MEDICO-ACTUARIAL MORTALITY INVESTIGATION

POLICY SHEET

ear of Issue.

Company Number...

HABITAT AMOUNT OF INSURANCE KIND OF POLICY פחודם 6TH #H# IMPAIRMENTS 3D 20 187 8PL. CL8. OCCUPA-TION CAUSE DEATH DURA-AGE AT IBSUE POLICY NUMBER

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